QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
ACETATE															
PRODUCTION	80.0	82.1	77.5	68.9	308.5	61.4	75.0	65.8	54.8	257.0	52.9	53.0	46.1	43.2	195.2
SHIPMENTS DOMESTIC	72.9	71.9	64.7	59.7	269.2	53.4	69.9	57.6	45.4	226.3	44.9	47.1	39.5	37.5	169.0
EXPORT	7.8	8.7	7.7	8.5	32.7	10.6	8.8	7.7	7.7	34.8	8.8	6.2	8.5	6.3	29.8
TOTAL	80.7	80.6	72.4	68.2	301.9	64.0	78.7	65.3	53.1	261.1	53.7	53.3	48.0	43.8	198.8
ENDING STOCK	11.1	12.6	17.7	18.4		15.8	12.1	12.6	14.3		13.5	13.2	11.3	10.7	
NYLON+ARAMID															
PRODUCTION	453.1	398.3	331.9	447.8	1631.1	435.1	428.0	403.9	313.7	1580.7	299.9	309.0	312.1	325.1	1246.1
SHIPMENTS DOMESTIC	416.0	350.9	347.7	424.3	1538.9	380.5	386.1	340.4	297.3	1404.3	281.6	296.5	292.7	299.3	1170.1
EXPORT	35.2	34.0	38.8	40.0	148.0	40.3	35.5	29.9	23.0	128.7	26.8	23.8	26.0	25.5	102.1
TOTAL	451.2	384.9	386.5	464.3	1686.9	420.8	421.6	370.3	320.3	1533.0	308.4	320.3	318.7	324.8	1272.2
ENDING STOCK	162.3	175.7	121.1	104.6		118.9	125.3	158.9	152.3		143.8	132.5	125.9	126.2	
OLEFIN[b]															
PRODUCTION	168.1	152.8	146.8	164.5	632.2	163.9	165.0	163.5	150.5	642.9	154.3	146.9	142.6	141.4	585.2
SHIPMENTS DOMESTIC	156.9	143.9	147.3	163.6	611.7	164.3	158.6	155.0	150.4	628.3	146.8	145.0	144.5	140.7	577.0
EXPORT	6.2	5.3	4.4	4.8	20.7	4.9	5.7	4.6	4.6	19.8	4.7	3.3	3.1	4.2	15.3
TOTAL	163.1	149.2	151.7	168.4	632.4	169.2	164.3	159.6	155.0	648.1	151.5	148.3	147.6	144.9	592.3
ENDING STOCK	72.1	75.7	70.8	66.9		61.6	62.3	66.2	61.7		64.5	63.1	58.1	54.6	
POLYESTER															
PRODUCTION	396.2	338.7	337.9	389.2	1462.0	378.7	416.6	403.9	370.0	1569.2	331.5	318.1	280.5	283.5	1213.6
SHIPMENTS DOMESTIC	369.2	310.7	320.4	363.1	1363.4	354.1	392.5	364.8	318.6	1430.0	297.2	292.5	267.0	278.1	1134.8
EXPORT	34.4	41.0	28.6	29.1	133.1	30.3	31.9	34.1	37.7	134.0	34.9	35.8	19.2	12.9	102.8
TOTAL	403.6	351.7	349.0	392.2	1496.5	384.4	424.4	398.9	356.3	1564.0	332.1	328.3	286.2	291.0	1237.6
ENDING STOCK	144.9	131.9	120.8	117.8		112.1	104.3	109.3	123.0		122.4	112.2	106.5	99.0	
TOTAL NON-CELLULOSIC ABOVE															
PRODUCTION	1017.4	889.8	816.6	1001.5	3725.3	977.7	1009.6	971.3	834.2	3792.8	785.7	774.0	735.2	750.0	3044.9
SHIPMENTS DOMESTIC	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	725.6	734.0	704.2	718.1	2881.9
EXPORT	75.8	80.3	71.8	73.9	301.8	75.5	73.1	68.6	65.3	282.5	66.4	62.9	48.3	42.6	220.2
TOTAL	1017.9	885.8	887.2	1024.9	3815.8	974.4	1010.3	928.8	831.6	3745.1	792.0	796.9	752.5	760.7	3102.1
ENDING STOCK	379.3	383.3	312.7	289.3		292.6	291.9	334.4	337.0		330.7	307.8	290.5	279.8	
DOMESTIC SHIPMENTS	942.1	805.5	815.4	951.0	3514.0	898.9	937.2	860.2	766.3	3462.6	725.6	734.0	704.2	718.1	2881.9
IMPORTS TEXTURED YARN[c]	0.6	0.9	1.9	1.7	5.1	1.4	2.7	2.1	2.2	8.4	2.0	3.1	3.7	6.1	14.9
OTHER YARN[c]	3.1	3.7	3.0	2.3	12.1	2.2	3.1	3.3	2.8	11.4	2.8	2.6	4.1	3.9	13.4
MONOFILAMENTS	1.4	1.3	0.8	0.5	4.0	0.5	0.8	0.9	0.4	2.6	0.4	0.4	0.4	0.3	1.5
TOTAL IMPORTS	5.1	5.9	5.7	4.5	21.2	4.1	6.6	6.3	5.4	22.4	5.2	6.1	8.2	10.3	29.8
TOTAL AVAILABLE	947.2	811.4	821.1	955.5	3535.2	903.0	943.8	866.5	771.7	3485.0	730.8	740.1	712.4	728.4	2911.7
						TEXTILE GLASS FIBER									
PRODUCTION	242.3	224.0	183.3	217.7	867.3	237.1	260.2	280.6	263.2	1041.1	207.6	209.8	241.0	240.8	899.2
SHIPMENTS DOMESTIC	249.7	181.2	182.4	253.8	867.1	222.4	273.8	239.0	228.6	963.8	190.5	214.8	227.8	228.4	861.5
EXPORT	15.2	13.8	10.1	9.5	48.6	9.8	7.5	8.5	9.4	35.2	11.5	10.3	11.2	9.9	42.9
TOTAL	264.9	195.0	192.5	263.3	915.7	232.2	281.3	247.5	238.0	999.0	202.0	225.1	239.0	238.3	904.4
ENDING STOCK	129.9	158.9	149.7	104.1		109.0	87.9	121.0	146.2		151.8	136.5	138.5	141.0	
IMPORTS	2.0	2.0	1.7	1.6	7.3	2.6	2.7	7.4	5.5	18.2	3.8	3.2	3.7	3.4	14.1
TOTAL AVAILABLE	251.7	183.2	184.1	255.4	874.4	225.0	276.5	246.4	234.1	982.0	194.3	218.0	231.5	231.8	875.6

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" non-cellulosic yarns (chiefly saran & spandex) are available annually only; see pages 20 & 21 of the February 1982 issue for further details on these yarns.

b. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

c. Yarn imports include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 20 & 21 of the February 1982 issue for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1980					1981					1982				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW[d]								
RAYON															
PRODUCTION	126.9	113.4	101.0	102.0	443.3	116.3	114.1	118.5	111.7	460.6	96.2	86.7	87.8	84.3	375.0
SHIPMENTS DOMESTIC	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9	77.6	69.8	72.1	74.2	293.7
EXPORT	14.0	17.8	16.2	13.0	61.0	14.0	15.2	14.2	16.4	59.8	13.4	16.8	15.3	21.0	66.5
TOTAL	128.2	110.4	103.5	109.6	451.7	114.2	119.7	114.9	107.9	456.7	91.0	86.6	87.4	95.2	360.2
ENDING STOCK	34.3	37.3	34.8	27.2		29.3	23.7	27.3	31.1		36.3	36.4	36.8	25.9	
DOMESTIC SHIPMENTS	114.2	92.6	87.3	96.6	390.7	100.2	104.5	100.7	91.5	396.9	77.6	69.8	72.1	74.2	293.7
IMPORTS FOR CONSUMPTION															
STAPLE	1.4	1.3	2.4	2.9	8.0	3.6	3.3	3.9	3.8	14.6	3.5	2.4	3.7	2.3	11.9
GROUPED FILAMENTS	0.7	0.7	0.3	0.6	2.3	0.4	0.7	0.6	0.5	2.2	0.3	0.4	0.4	0.4	1.5
TOTAL IMPORTS	2.1	2.0	2.7	3.5	10.3	4.0	4.0	4.5	4.3	16.8	3.8	2.8	4.1	2.7	13.4
TOTAL AVAILABLE	116.3	94.6	90.0	100.1	401.0	104.2	108.5	105.2	95.8	413.7	81.4	72.6	76.2	76.9	307.1
NYLON+ARAMID															
PRODUCTION	214.0	128.3	161.2	223.1	726.6	214.9	235.2	183.8	117.9	751.8	140.5	169.3	191.1	185.1	686.0
SHIPMENTS DOMESTIC	171.9	133.2	187.6	218.5	711.2	204.8	215.9	155.4	120.3	696.4	141.9	170.8	185.8	175.8	674.3
EXPORT	8.8	6.1	7.7	9.3	31.9	7.3	8.1	4.5	5.2	25.1	4.1	4.2	3.1	5.2	16.6
TOTAL	180.7	139.3	195.3	227.8	743.1	212.1	224.0	159.9	125.5	721.5	146.0	175.0	188.9	181.0	690.9
ENDING STOCK	84.3	73.3	39.2	34.5		37.3	48.5	72.4	64.8		59.3	53.6	55.8	59.9	
IMPORTS	0.3	0.5	0.3	0.6	1.7	4.9	6.6	9.3	2.8	23.6	1.0	0.7	5.0	4.8	11.5
TOTAL AVAILABLE	172.2	133.7	187.9	219.1	712.9	209.7	222.5	164.7	123.1	720.0	142.9	171.5	190.8	180.6	685.8
ACRYLIC+MODACRYLIC															
PRODUCTION	206.4	197.7	182.1	193.0	779.2	190.8	176.8	166.8	156.4	690.8	149.6	171.1	158.5	144.9	624.1
SHIPMENTS DOMESTIC	161.6	155.7	124.9	143.1	585.3	130.2	137.0	123.5	103.4	494.1	108.1	127.9	113.6	108.3	457.9
EXPORT	50.6	43.9	47.1	44.2	185.8	55.1	50.3	42.5	52.5	200.4	46.4	41.5	42.7	43.7	174.3
TOTAL	212.2	199.6	172.0	187.3	771.1	185.3	187.3	166.0	155.9	694.5	154.5	169.4	156.3	152.0	632.2
ENDING STOCK	54.9	53.0	63.1	68.8		74.3	63.8	64.6	65.1		60.2	61.9	64.1	57.0	
IMPORTS	3.4	4.3	2.6	3.0	13.3	3.6	2.7	2.0	2.2	10.5	2.0	1.3	1.7	2.9	7.9
TOTAL AVAILABLE	165.0	160.0	127.5	146.1	598.6	133.8	139.7	125.5	105.6	504.6	110.1	129.2	115.3	111.2	465.8
OLEFIN+VINYON															
PRODUCTION	30.7	30.3	26.5	28.2	115.7	31.3	35.1	37.1	38.5	142.0	35.8	30.8	37.6	34.0	138.2
SHIPMENTS DOMESTIC	28.9	26.3	27.0	32.8	115.0	31.9	35.5	32.2	32.4	132.0	29.3	39.9	36.4	33.3	138.9
EXPORT	1.4	0.5	1.0	0.8	3.7	0.4	0.3	0.4	0.4	1.5	0.6	0.6	1.6	2.1	4.9
TOTAL	30.3	26.8	28.0	33.6	118.7	32.3	35.8	32.6	32.8	133.5	29.9	40.5	38.0	35.4	143.8
ENDING STOCK	20.6	24.1	22.6	17.2		16.2	15.5	20.0	25.7		31.6	21.9	21.5	20.1	
POLYESTER															
PRODUCTION	654.3	583.2	589.6	699.6	2526.7	646.0	668.9	663.6	628.0	2606.5	538.7	459.6	447.4	509.5	1955.2
SHIPMENTS DOMESTIC	563.1	483.8	466.8	557.3	2071.0	493.2	525.9	507.5	478.8	2005.4	437.3	445.3	428.9	456.0	1767.5
EXPORT	84.8	111.1	136.2	136.3	468.4	129.0	148.2	161.6	154.6	593.4	86.4	28.3	25.8	33.6	174.1
TOTAL	647.9	594.9	603.0	693.6	2539.4	622.2	674.1	669.1	633.4	2598.8	523.7	473.6	454.7	489.6	1941.6
ENDING STOCK	185.6	173.9	160.5	166.5		190.3	185.1	179.6	174.2		189.2	175.2	167.9	187.8	
IMPORTS	0.4	0.3	0.3	0.3	1.3	0.5	1.9	1.8	2.4	6.6	1.9	1.7	1.8	1.9	7.3
TOTAL AVAILABLE	563.5	484.1	467.1	557.6	2072.3	493.7	527.8	509.3	481.2	2012.0	439.2	447.0	430.7	457.9	1774.8
TOTAL NONCELLULOSIC															
PRODUCTION	1105.4	939.5	959.4	1143.9	4148.2	1083.0	1116.0	1051.3	940.8	4191.1	864.6	830.8	834.6	873.5	3403.5
SHIPMENTS DOMESTIC	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6	783.9	764.7	773.4	3038.6
EXPORT	145.6	161.6	192.0	190.6	689.8	191.8	206.9	209.0	212.7	820.4	137.5	74.6	73.2	84.6	369.9
TOTAL	1071.1	960.6	998.3	1142.3	4172.3	1051.9	1121.2	1027.6	947.6	4148.3	854.1	858.5	837.9	858.0	3408.5
ENDING STOCK	345.4	324.3	285.4	287.0		318.1	312.9	336.6	329.8		340.3	312.6	309.3	324.8	
DOMESTIC SHIPMENTS	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6	734.9	3327.9	716.6	783.9	764.7	773.4	3038.6
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[e]	4.1	5.2	3.3	3.9	16.5	9.0	11.2	13.1	7.4	40.7	4.9	3.7	8.5	9.6	26.7
OTHER N.C. STAPLE	3.9	3.4	3.1	4.2	14.6	2.4	3.3	4.0	1.0	10.7	1.8	3.8	4.0	1.9	11.5
GROUPED FILAMENTS	1.6	1.3	0.6	1.0	4.5	1.3	2.0	2.1	2.6	8.0	2.9	3.1	2.9	4.1	13.0
TOTAL IMPORTS	9.6	9.9	7.0	9.1	35.6	12.7	16.5	19.2	11.0	59.4	9.6	10.6	15.4	15.6	51.2
TOTAL AVAILABLE	935.1	808.9	813.3	960.8	3518.1	872.8	930.8	837.8	745.9	3387.3	726.2	794.5	780.1	789.0	3089.8

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1982												YEAR		
ITEM & COUNTRY	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1982**	**1981**	**1980**
CELLULOSIC YARN, MONOFIL & STRIPS															
BRAZIL	0	0	28	27	0	27	0	0	27	0	0	0	109	0	28
CANADA	0	15	0	0	0	141	198	0	1	134	163	109	761	624	793
MEXICO	155	76	157	75	115	92	116	38	51	90	117	152	1234	1517	1558
AUSTRIA	0	20	0	451	225	85	41	410	225	163	82	0	1702	63	59
BELGIUM	11	0	0	23	0	0	13	46	0	0	0	9	102	196	0
FRANCE	44		0	0	22	0	0	1	26	35	2	25	155	44	0
GERMANY, FED. REP. OF	502	275	218	250	81	157	54	75	65	38	35	56	1806	3752	1114
NETHERLANDS	86	77	17	59	53	30	22	28	1	28	91	1	493	3382	2051
SPAIN	40	81	46	47	47	0	0	0	0	0	0	0	261	264	99
JAPAN	20	42	36	1	36	2	21	70	35	22	20	3	308	251	658
ALL OTHER COUNTRIES[a]	3	2	0	83	0	0	4	0	2	0	2	0	96	626	1942
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**	**433**	**510**	**512**	**355**	**7027**	**10719**	**8302**
CELLULOSIC STAPLE+TOW															
CANADA	155	167	191	129	170	90	54	401	335	324	336	252	2604	4824	2952
AUSTRIA	605	40	441	401	462	0	410	40	562	91	40	0	3092	4703	1343
FRANCE	1	52	2	0	0	6	21	0	5	36	41	31	195	422	126
GERMANY, FED. REP. OF	42	44	43	0	0	65	0	0	0		15	1	210	260	215
SWEDEN	464	0	871	189	554	0	765	786	0	137	507	279	4552	2709	2922
UNITED KINGDOM	117	2	108	69	119	0	76	74	0	71	166	32	834	1886	1611
AUSTRALIA	153	0	0	0	0	0	0	0	0	0	0	0	153	0	0
JAPAN	149	24	134	118	76	127	227	155	162	115	176	57	1520	1225	1085
ALL OTHER COUNTRIES[b]	0	80	1	44	29	38	44	0	1	10	1	0	248	734	52
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**	**1065**	**784**	**1282**	**652**	**13408**	**16763**	**10306**
NONCELLULOSIC YARN, MONOFIL & STRIPS															
CANADA	295	156	101	444	456	595	365	508	544	715	699	472	5350	2506	2916
COSTA RICA	117	27	0	0	27	0	7		5	0	0	2	185	60	0
MEXICO	0	1	2	1	10	41	66	10	33	133	150	396	843	265	40
BELGIUM	0	2	9	11	0	46	66	499	0	3	0	22	658	131	34
FRANCE	128	114	79	106	49	17	243	195	98	191	415	242	1877	1836	779
GERMANY, FED. REP. OF	581	362	295	372	569	454	370	712	968	927	892	945	7447	4606	3038
ITALY	24	2	175	1	10	18	16	70	42	1	17	76	452	1229	258
SWITZERLAND	2		6	4	26	5	18	21	38	13	42	36	211	150	21
UNITED KINGDOM	67	48	38	43	5	54	14	44	14	78	48	2	455	381	658
JAPAN	453	661	463	450	438	535	554	461	737	500	420	243	5915	6866	10992
ALL OTHER COUNTRIES[c]	16	5	12	10	72	37	31	40	62	11	116	27	439	904	878
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**	**2541**	**2572**	**2799**	**2463**	**23832**	**18934**	**19614**
NONCELLULOSIC STAPLE+TOW															
CANADA	439	310	864	219	476	365	276	816	332	406	503	444	5450	6647	2460
MEXICO	177	27	57	79		75	343	0	476	567	820	858	3479	3830	31
BELGIUM	29	31	1	12	0	0	32	0	0	35	0	21	161	872	4
FRANCE	219	194	444	308	301	247	324	1790	799	995	1010	841	7472	4343	49
GERMANY, FED. REP. OF	730	752	975	725	861	341	420	527	726	607	1278	837	8779	18120	10243
IRELAND	0	39	39	77	39	116	77	77	38	0	0	18	520	260	37
ITALY	58	23	153	115	63	76	1236	639	954	501	361	1309	5488	7332	1236
NETHERLANDS	141	89	58	43	19	0	0	0	0	17	39	14	420	446	20
ROMANIA	50	106	29	219	5	29	0	0	0	0	0	28	466	683	559
SWITZERLAND	1	2	0	17	17	17	0	17	5	51	7	52	186	70	7
UNITED KINGDOM	195	250	259	238	412	181	25	76	268	193	390	294	2781	5075	2293
JAPAN	588	461	510	401	520	612	885	575	740	512	744	724	7272	4716	6013
TAIWAN	616	194	436	583	760	2041	748	1220	798	494	246	173	8309	7363	12440
ALL OTHER COUNTRIES[d]	15	3	1	0	11	74	98	21	46	18	16	1	304	760	176
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**	**5182**	**4396**	**5414**	**5614**	**51087**	**60517**	**35568**

Other countries supplying 1982 poundages are:

[a] Italy 12, Rep. of Korea 80 & Switzerland 4.

[b] Finland 80, German Dem. Rep. 88, Italy 1, Mexico 39, Netherlands 29 & Taiwan 11.

[c] Austria 20, Dominican Republic 4, India 11, Ireland 1, Israel 73, Rep. of Korea 28, Netherlands 60, Norfolk Is. 36, Poland 15, Portugal 38, Romania 1, Spain 1, Sweden 65 & Taiwan 86.

[d] Australia 29, Austria 64, Denmark 56, German Dem. Rep. 15, Hong Kong 2, Iceland 5, Israel 60, Rep. of Korea 33, Poland 21, Portugal 1 & Yugoslavia 18.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982												YEAR		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981	1980
CELLULOSIC FIBERS																
YARN SINGLES																
TEXTURED	310.0106 & .0206	5	0	28	35	6	27	0	0	52	90	130	188	561	309	912
OTHER	310.0130 & .0230[a]	856	586	474	981	573	505	465	668	381	399	382	167	6437	10373	7380
MONOFILAMENTS	309.0310 & .0610	0	2	0	0	0		0	0	0		0	0	2	4	0
STRIPS, $1 LB & UNDER	309.2000 *	0	0	0	0	0	2	4	0	0	21	0	0	27	33	10
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**	**433**	**510**	**512**	**355**	**7027**	**10719**	**8302**
STAPLE	309.4320 & .4325	1510	409	1623	853	1219	240	1447	1287	1009	689	1090	563	11939	14626	7998
GROUPED FILAMENTS	309.3010 & .3110	176		168	97	191	86	150	169	56	95	192	89	1469	2137	2308
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**	**1065**	**784**	**1282**	**652**	**13408**	**16763**	**10306**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0	197	0	38	0	60	0	35	1	395	519	339
NONCELLULOSIC FIBERS																
YARN SINGLES																
TEXTURED NYLON	310.0109 & .0209	423	174	125	210	516	341	454	272	335	462	816	616	4744	3827	3154
POLYESTER	310.0110 & .0210	231	43	7	3	33	1	55	6	37	3	16	75	510	768	337
OTHER	310.0114 & .0214	32	26	69	361	268	330	289	455	495	585	866	564	4340	492	195
OTHER NYLON	310.0149 & .0249	111	211	278	99	191	309	453	1068	711	891	477	734	5533	3976	3572
POLYESTER	310.0150 & .0250	551	691	368	441	403	296	199	427	627	416	480	364	5263	5441	6672
OTHER	310.0170 & .0270[b]	164	81	140	162	147	309	122	226	136	105	9	38	1639	1595	1417
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145	89	195	128	88	149	93	112	62	1497	2615	4038
STRIPS, OVER $1 LB	309.2100 & .2500 *	31	13	36	21	15	21	50	18	51	17	23	10	306	220	229
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**	**2541**	**2572**	**2799**	**2463**	**23832**	**18934**	**19614**
STAPLE NYLON	309.4338	392	209	400	316	84	276	1432	2030	1602	1583	1060	2119	11503	23576	1698
POLYESTER	309.4342	487	517	933	577	494	567	926	339	566	515	303	1033	7257	6649	1344
ACRYLIC	309.4345	526	474	962	607	369	324	575	347	854	886	1292	635	7851	10465	13296
OLEFIN	309.4346	1	30	1	33	30	27	7	32	220	85	115	46	627	1134	144
OTHER	309.4355	899	292	581	653	1011	2145	725	1891	1011	549	727	369	10853	10666	14574
GROUPED FILAMENTS																
NYLON	309.3030 & .3130	460	530	345	565	884	266	362	784	560	583	1274	1007	7620	2175	1022
POLYESTER	309.3040 & .3140	0	0	17	1			0	8	2	0	19	9	56	336	129
ACRYLIC	309.3050 & .3150	297	376	553	246	468	538	340	262	346	192	425	395	4438	3434	2608
OTHER	309.3065 & .3165	196	53	34	38	144	31	97	65	21	3	199	1	882	2082	753
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**	**5182**	**4396**	**5414**	**5614**	**51087**	**60517**	**35568**
WASTE, NOT ADVANCED NYLON	309.6625	1882	1647	1838	2315	2285	2581	1175	2033	2135	1240	1427	1632	22190	25255	11658
POLYESTER	309.6630	1398	775	1580	608	581	502	302	1748	1024	681	1453	535	11187	18111	5936
ACRYLIC	309.6645	0	184	9	59	294	195	86	0	67	33	5	0	932	2872	2358
OTHER	309.6660	433	229	247	256	480	174	290	17	160	108	46	90	2530	2969	965
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0	0	0	1	0	0		3	31	55	85	4
OTHER WASTE, ADVANCED	309.7525-.7555	50	17	26	9	16	1	49	70	160	163	184	106	851	536	625
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**	**3453**	**1903**	**3868**	**3546**	**2225**	**3118**	**2394**	**37745**	**49828**	**21546**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**	**10289**	**10221**	**14310**	**12827**	**10487**	**13160**	**11479**	**133494**	**157280**	**95675**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD																
YARN PLIED																
TEXTURED CELLULOSIC	310.1106	0	0		0	1	0	1	0	0	0	0	0	2	25	0
NONCELLULOSIC	310.1015[d] & .1109[e]	407	110	333	266	421	352	271	548	528	436	829	814	5315	3385	1378
OTHER CELLULOSIC	310.1030 & .1135[f]		6	67	0	16	28	19	0			3	7	146	21	97
NONCELLULOSIC	310.1050 & .1070[g]	200	18	13	54	29	121	31	28	75	65	221	124	979	373	389
SPUN YARN CELLULOSIC	310.4005 & .4030[h]	28	0	18	20	32	7	43	42	25	32	33	45	325	659	508
OTHER	310.4015 & .4027[i]	1570	1253	1374	1784	2288	1940	1674	2419	2175	1986	1842	1751	22056	18599	19387
OTHER YARNS, NES, INCL. CHENILLE	310.6029-.8000	205	89	190	229	367	393	246	306	278	226	327	251	3107	4117	2320
HANDWORK YARNS & SEWING THREAD	310.9000-.9140	166	203	188	226	192	234	113	172	144	227	236	176	2277	2797	2260
SLIVER, TOPS & ROVING	309.9000	434	309	201	115	79	133	338	186	410	63	192	166	2626	3622	2708
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736	1033	1358	1281	1236	1227	1309	815	1265	14100	18212	7350
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**	**14855**	**14238**	**19247**	**17689**	**14831**	**17658**	**16078**	**184427**	**209090**	**132072**

SOURCE: U.S.Census Bureau Report IM145X.

NES Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1981					1982				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	93	75	72	117	357	132	72	34	164	402
OTHER[b]	310.0026	8191	5829	4286	5608	23914	7194	4450	5912	4062	21618
MONOFILAMENTS	309.0110	47	30	9	4	90	2	9	1	3	15
STRIPS	309.2210	66	79	95	106	346	66	5	32	2	105
SUBTOTAL ABOVE		**8397**	**6013**	**4462**	**5835**	**24707**	**7394**	**4536**	**5979**	**4231**	**22140**
STAPLE+TOW RAYON	309.4222	12222	14234	14369	14331	55156	13772	14001	16905	18693	63371
STAPLE ACETATE	309.4219	3692	2046	608	658	7004	919	931	551	1241	3642
SUBTOTAL ABOVE		**15914**	**16280**	**14977**	**14989**	**62160**	**14691**	**14932**	**17456**	**19934**	**67013**
WASTE, ADVANCED & NOT ADVANCED	309.7400	693	795	416	895	2799	1007	1262	385	539	3193
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON TEXTURED	310.0008 & .0009	21787	17478	17656	12679	69600	9779	9643	11021	8986	39429
HIGH TENACITY[c]	310.0027	18138	17544	11095	10623	57400	13520	12582	10156	12138	48396
OTHER	310.0029	5461	4325	6280	3358	19424	3785	3340	1801	2863	11789
POLYESTER TEXTURED	310.0010	48758	58681	65307	63406	236152	63471	71864	26029	21571	182935
HIGH TENACITY[c]	310.0032	4870	5364	6299	6907	23440	5134	3747	2726	2145	13752
OTHER[d]	310.0034	2380	3063	3117	3199	11759	2902	4506	1611	1160	10179
OTHER TEXTURED	310.0014	4174	3082	2346	2149	11751	3235	2847	4117	5453	15652
OLEFIN	310.0040	741	519	838	505	2603	224	447	166	287	1124
OTHER	310.0044	1566	1452	1183	1030	5231	1371	1327	508	685	3891
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	2387	1935	1879	1585	7786	1142	1119	695	1468	4424
POLYESTER[e]	309.0140	2816	1767	1362	1218	7163	1919	700	1065	558	4242
OTHER	309.0170	1289	1314	1614	2343	6560	2085	2025	1880	2195	8185
STRIPS	309.2220 & .2270	1366	1530	739	920	4555	799	654	620	313	2366
SUBTOTAL ABOVE		**115733**	**118054**	**119715**	**109922**	**463424**	**109366**	**114781**	**62395**	**59822**	**346364**
STAPLE NYLON	309.4240	9443	7030	5848	5235	27556	4018	3694	3459	4203	15374
POLYESTER	309.4242	108893	138242	144558	130988	522681	90356	30164	32374	36690	189584
ACRYLIC	309.4245	41711	40137	39084	35729	156661	32810	31987	31585	30235	126617
OLEFIN	309.4246	664	431	270	393	1758	522	948	2668	3478	7616
OTHER	309.4247	5015	5800	3637	3581	18033	4395	4436	2813	3766	15410
GROUPED FILAMENTS											
NYLON	309.3220	1724	763	746	1328	4561	1539	1313	1174	940	4966
POLYESTER[d]	309.3240	9508	6706	3802	6761	26777	9528	6684	6780	5141	28133
ACRYLIC	309.3250 & .3255	10076	8360	7144	7075	32655	5472	6363	6168	5319	23322
SUBTOTAL ABOVE		**187034**	**207469**	**205089**	**191090**	**790682**	**148640**	**85589**	**87021**	**89772**	**411022**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	3470	4141	3302	3025	13938	3542	2759	1291	4214	11806
POLYESTER	309.7630	11606	13086	12419	17006	54117	17204	14920	8281	10498	50903
ACRYLIC	309.7640	1874	1531	573	817	4795	574	651	228	260	1713
OTHER	309.7660	8718	9163	8717	7817	34415	7146	5564	3939	5005	21654
SUBTOTAL ABOVE		**25668**	**27921**	**25011**	**28665**	**107265**	**28466**	**23894**	**13739**	**19977**	**86076**
TOTAL MAN-MADE FIBER ABOVE		**353439**	**376532**	**369670**	**351396**	**1451037**	**309564**	**244994**	**186975**	**194275**	**935808**
TEXTILE GLASS FIBER	309.2700 & .9700	10180	8611	8553	11590	38934	11318	11981	11246	9169	43714
GRAND TOTAL ABOVE		**363619**	**385143**	**378223**	**362986**	**1489971**	**320882**	**256975**	**198221**	**203444**	**979522**

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1982												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1982	1981
	TOTAL SHIPMENTS[b] REVISED													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**12.2**	**17.3**	**18.5**	**15.6**	**14.8**	**13.4**	**198.8**	**261.1**
NYLON[e] INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	23.5	21.9	24.3	25.5	31.1	25.5	324.5	402.9
LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	1.9	2.5	2.6	2.5	2.5	2.6	29.5	35.1
CARPET	40.3	43.3	46.0	46.1	51.2	48.3	42.6	60.2	58.4	48.6	50.3	51.3	586.6	677.0
TEXTILE	27.9	27.0	29.5	28.4	26.6	26.5	21.4	29.3	30.1	28.7	29.8	26.4	331.6	418.0
POLYESTER INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	21.8	23.8	22.1	23.2	22.0	23.7	288.0	307.1
LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	1.5	2.1	1.6	1.7	2.1	1.9	22.4	27.6
TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	61.2	73.6	78.5	70.6	77.7	68.0	927.1	1229.3
OLEFIN[h]	50.1	50.4	51.0	49.3	48.9	50.1	49.5	50.2	47.9	46.9	47.3	50.7	592.3	648.1
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.5**	**259.7**	**263.7**	**223.4**	**263.6**	**265.5**	**247.7**	**262.8**	**250.1**	**3102.0**	**3745.1**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**25.2**	**28.9**	**33.3**	**32.8**	**31.9**	**30.5**	**360.2**	**456.7**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	51.4	68.3	69.2	61.2	62.3	57.5	690.9	721.5
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	47.6	58.5	50.2	50.7	53.3	48.0	632.2	694.5
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	129.3	163.0	162.4	163.8	171.1	154.7	1941.6	2598.8
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	11.6	12.5	13.9	12.4	12.2	10.8	143.8	133.5
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**239.9**	**302.3**	**295.7**	**288.1**	**298.9**	**271.0**	**3408.5**	**4148.3**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**12.3**	**11.7**	**11.3**	**11.4**	**11.3**	**10.7**	**10.7**	**14.3**
NYLON[e] INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	36.5	37.5	37.0	33.8	26.8	27.0	27.0	36.4
LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6	4.5	4.6	4.2	4.0	3.8	3.3	3.2	3.2	4.3
CARPET	62.3	58.0	55.5	53.9	49.5	51.4	59.6	48.2	46.4	57.1	54.7	54.8	54.8	64.1
TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.4	40.5	38.5	39.2	38.6	41.2	41.2	47.5
POLYESTER INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1	27.8	28.1	28.6	28.1	26.5	26.2	27.2	27.2	23.5
LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.5	2.6	2.6	2.3	2.2	3.0	3.0	3.6
TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	83.8	79.5	75.8	77.9	66.1	68.8	68.8	95.9
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3	63.1	61.5	60.2	58.1	57.6	56.0	54.6	54.6	61.7
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**307.8**	**320.0**	**301.3**	**290.5**	**298.2**	**273.9**	**279.8**	**279.8**	**337.0**
STAPLE+TOW+FIBERFILL														
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**37.8**	**38.9**	**36.8**	**33.7**	**28.0**	**25.9**	**25.9**	**31.1**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	64.1	55.1	55.8	60.3	59.4	59.9	59.9	64.8
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	66.0	61.3	64.1	70.8	63.9	57.0	57.0	65.1
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	181.7	162.4	167.9	174.3	173.4	187.8	187.8	174.2
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.6	21.7	21.5	20.3	20.9	20.1	20.1	25.7
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**333.4**	**300.5**	**309.3**	**325.7**	**317.6**	**324.8**	**324.8**	**329.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	11.9	10.9	13.3	10.8	10.3	9.4	7.2	9.3	9.2	8.5	9.4		100.8	120.1
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0	0.6	0.6	1.0	1.1	0.7	0.9		8.4	9.0
TOTAL RAW WOOL	12.6	11.8	14.3	11.6	11.3	10.0	7.8	10.3	10.3	9.2	10.3		109.2	129.1
RAW COTTON	207.2	198.6	228.7	217.3	217.2	200.1	166.8	195.5	229.9	219.1	215.1	195.6	2491.1	2703.8

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a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February 1982 issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February 1982 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February 1982 issue.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1983	1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**						**15.1**	**19.1**
NYLON[e] INDUSTRIAL[f]	20.8						20.8	26.2
LOW DENIER INDUSTRIAL[g]	2.5						2.5	2.6
CARPET	45.4						45.4	40.3
TEXTILE	27.8						27.8	27.9
POLYESTER INDUSTRIAL[f]	24.0						24.0	22.6
LOW DENIER INDUSTRIAL[g]	1.9						1.9	1.9
TEXTILE	73.9						73.9	75.4
OLEFIN[h]	42.7						42.7	50.1
TOTAL NONCELLULOSIC ABOVE[i]	**239.0**						**239.0**	**247.0**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**						**29.5**	**30.3**
NYLON[e]	65.9						65.9	48.0
ACRYLIC+MODACRYLIC	49.3						49.3	45.8
POLYESTER	154.2						154.2	173.3
OLEFIN+VINYON	10.7						10.7	8.3
TOTAL NONCELLULOSIC ABOVE	**280.1**						**280.1**	**275.4**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**						**10.2**	**12.4**
NYLON[e] INDUSTRIAL[f]	26.4						26.4	41.7
LOW DENIER INDUSTRIAL[g]	3.4						3.4	4.5
CARPET	54.2						54.2	62.3
TEXTILE	40.5						40.5	50.9
POLYESTER INDUSTRIAL[f]	27.2						27.2	23.7
LOW DENIER INDUSTRIAL[g]	3.5						3.5	4.0
TEXTILE	66.8						66.8	93.4
OLEFIN[h]	56.5						56.5	64.3
TOTAL NONCELLULOSIC ABOVE[i]	**278.5**						**278.5**	**344.8**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**						**29.6**	**32.6**
NYLON[e]	52.0						52.0	63.9
ACRYLIC+MODACRYLIC	60.2						60.2	68.6
POLYESTER	178.4						178.4	180.4
OLEFIN+VINYON	19.2						19.2	30.0
TOTAL NONCELLULOSIC ABOVE	**309.8**						**309.8**	**342.9**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL								
CARPET CLASS WOOL								
TOTAL RAW WOOL								
RAW COTTON								

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a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February 1982 issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February 1982 issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February 1982 issue.

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Textile Organon

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MONTHLY REVIEW

Highlights

February Shipments of Polyester Staple+Tow Increased to 172.1 Million Pounds . . . see page 48.

1982 Shipments of Man-Made Fiber Staple+Tow to the Apparel End Uses Fell to 1,328.8 Million Pounds . . . see page 45.

1982 Shipments of Man-Made Fiber Yarn+Monofilaments to Home Furnishings End Uses Dropped to 1,016.6 Million Pounds . . . see page 44.

***Textile Organon** Feature*

1982: A Year In Perspective . . . begins page 35.

February shipments of polyester staple+tow rose to the highest level since March of last year and shipments of acrylic+modacrylic staple+tow rose for the second straight month.

Shipments of olefin+vinyon staple+tow rose to the highest level since September of last year, but nylon staple+tow shipments fell in February.

Nylon yarn shipments to the carpet trades rose in February and shipments of nylon textile yarn rose to the highest level since December of 1981.

Polyester textile yarn shipments rose to the highest point since last April, although shipments of polyester industrial yarn fell, but shipments of olefin yarn rose in February.

ITEM	1983		%[a]	1982	%[b]	YEAR TO DATE		%[c]
	FEB	JAN		FEB		1983	1982	
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**15.7**	**15.1**	*+4.0*	**16.9**	*-7.1*	**30.8**	**36.0**	*-14.4*
NYLON · INDUSTRIAL	23.5	20.8	*+13.0*	29.2	*-19.5*	44.3	55.4	*-20.0*
· LOW DENIER INDUSTRIAL	2.4	2.5	*-4.0*	2.3	*+4.3*	4.9	4.9	–
· CARPET	48.4	45.4	*+6.6*	43.3	*+11.8*	93.8	83.6	*+12.2*
· TEXTILE	30.4	27.8	*+9.3*	27.0	*+12.6*	58.2	54.9	*+6.0*
POLYESTER · INDUSTRIAL	23.6	24.0	*-1.7*	24.4	*-3.3*	47.6	47.0	*+1.3*
· LOW DENIER INDUSTRIAL	1.7	1.9	*-10.5*	1.8	*-5.5*	3.6	3.7	*-2.7*
· TEXTILE	82.8	73.9	*+12.0*	87.8	*-5.7*	156.7	163.2	*-4.0*
OLEFIN	42.2	39.9	*+5.8*	50.4	*-16.3*	82.1	100.5	*-18.3*
TOTAL NONCELLULOSIC ABOVE	**255.0**	**236.2**	*+7.9*	**266.2**	*-4.2*	**491.2**	**513.2**	*-4.3*
STAPLE+TOW+FIBERFILL								
RAYON	**26.6**	**29.5**	*-9.8*	**28.9**	*-8.0*	**56.1**	**59.2**	*-5.2*
NYLON	63.5	65.9	*-3.6*	48.3	*+31.5*	129.4	96.3	*+34.4*
ACRYLIC+MODACRYLIC	52.2	49.3	*+5.9*	47.7	*+9.4*	101.5	93.5	*+8.5*
POLYESTER	172.1	154.2	*+11.6*	176.4	*-2.4*	326.3	349.7	*-6.7*
OLEFIN+VINYON	13.4	11.4	*+17.5*	10.2	*+31.4*	24.8	18.5	*+34.0*
TOTAL NONCELLULOSIC ABOVE	**301.2**	**280.8**	*+7.3*	**282.6**	*+6.6*	**582.0**	**558.0**	*+4.3*

– means no change.

[a] Percent change from previous month to current month.

[b] Percent change to current month from same month last year.

[c] Percent change from cumulative total last year to cumulative total this year.

Also see footnotes on last page of this issue.

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FILAMENT YARN DOMESTIC SHIPMENTS BY DENIER

MILLION POUNDS

ACETATE

DENIER	1977	1978	1979	1980	1981	1982
55 (62 & FINER)	62.5	67.1	68.0	66.1	45.3	37.3
75 (63-87)	66.1	72.3	63.8	67.5	62.3	39.1
100 (88-112)	15.0	20.2	26.5	31.4	26.6	19.3
150 (113-162)	89.5	91.3	108.9	87.6	77.5	62.5
200 (163-237)	2.3	2.4	3.4	2.6	1.5	0.7
300 (238-374)	10.4	9.6	9.7	7.5	7.3	6.4
450 (375 & COARSER)	13.6	11.7	8.1	6.7	5.8	3.7
TOTAL DOMESTIC SHIPMENTS	**259.4**	**274.6**	**288.4**	**269.2**	**226.3**	**169.0**
Average Denier[a]	*91*	*90*	*92*	*88*	*91*	*92*

POLYESTER TEXTILE

DENIER	1977	1978	1979	1980	1981	1982
55 & FINER	22.2	25.9	30.1	37.3	48.6	28.6
70 (56-89)	136.8	212.5	215.0	191.3	147.9	141.0
100 (90-109)	61.0	58.1	63.4	32.6	41.4	56.4
120 (110-129)	12.4	18.6	4.8	2.8	68.9	41.7
135 (130-144)	23.2	15.3	18.6	10.1		
150 (145-179)	869.1	783.7	765.2	738.6	745.1	519.3
180 & COARSER[c]	42.5	49.8	66.8	65.3	68.9	61.0
TOTAL DOMESTIC SHIPMENTS	**1167.2**	**1163.9**	**1163.9**	**1078.0**	**1120.8**	**848.0**
Average Denier[a]	*124*	*116*	*116*	*118*	*121*	*115*

NYLON TEXTILE

DENIER	1977	1978	1979	1980	1981	1982
MONOFILS & FEWOFILS[b]	23.3	27.9	31.7	29.1	23.5	25.4
FILAMENT YARN						
34 & FINER	42.6	41.0	38.0	35.9	39.8	30.3
40 (35-59)	132.5	164.1	177.5	155.4	142.8	117.8
70 (60-89)	124.2	122.0	112.4	109.0	85.7	63.9
100 (90-109)	38.7	43.6	43.7	42.7	43.4	37.4
140 (110-179)	18.5	20.2	21.2	21.1	26.2	18.5
200 (180-204)	11.4	19.7	18.6	18.2	19.7	16.1
205 & COARSER[c]	41.4	44.3	18.1	15.2	17.5	12.2
TOTAL DOMESTIC SHIPMENTS	**432.6**	**482.8**	**461.2**	**426.6**	**398.6**	**321.6**
Average Denier[a]	*49*	*48*	*45*	*46*	*47*	*38*

NYLON CARPET

DENIER	1977	1978	1979	1980	1981	1982
1199 & FINER	369.0	443.8	479.2	460.6	138.4	138.0
1200-1499					331.7	300.9
1800 (1500-1900)	114.8	126.6	131.2	149.4	88.9	65.3
2600 (1901-2700)	114.7	89.4	100.7	84.8	55.5	40.0
2701 & COARSER	19.3	18.0	21.4	19.7	19.1	15.3
TOTAL DOMESTIC SHIPMENTS	**617.8**	**677.8**	**732.5**	**714.5**	**633.6**	**559.5**
Average Denier[a]	*1557*	*1503*	*1506*	*1503*	*1448*	*1423*

a. Average Denier calculated by harmonic mean method.

b. Monofilaments up to 40 denier. Fewofils are multifilament yarns with 4 or fewer filaments in the bundle.

c. Includes low denier industrial yarn through 1978.

1982: A Year In Perspective

In 1982, U.S. mill consumption of man-made fibers declined by 13% to the second lowest level since 1970. This was the third consecutive year to show a decline in consumption. At the same time, man-made fibers registered a slight decrease in market share when compared to cotton. In 1982, man-made fiber share fell to 74% of all fibers consumed, while cotton rose to 25%.

Exports of man-made fibers declined in 1982. Although there was a net export balance of nearly 832 million pounds, the 1982 level was over 482 million pounds less than in 1981.

Imports of man-made fibers also fell in 1982, but imports of products produced from man-made fibers increased by nearly 59 million pounds. These, when allied with a declining export volume in 1982, helped to create a net import balance of almost 260 million pounds. **This figure is 258 million pounds greater than the 1981 net import balance of approximately 2 million pounds.**

In the following feature (pages 35-42), data are presented to describe 1982 in terms of domestic shipments, imports, exports and consumption of man-made fibers and related products. For comparison purposes, man-made fiber, cotton and wool data are supplied as well. In previous years some of the following tables were published in the February issue of the ***Textile Organon***. This year, they are presented in one issue to better give an overall view of the historical trends in the man-made fiber industry.

MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	ESTER[c]	ACRYLIC[d]	OLEFIN	GLASS	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.4	3.8	0.3	**9.5**
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.5	4.0	0.2	**10.7**
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.6	3.9	0.2	**11.7**
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.7	3.6	0.2	**12.5**
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.6	3.3	0.1	**11.1**
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.5	3.1	0.1	**10.6**
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.7	3.4	0.1	**11.6**
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.8	3.2	0.1	**12.2**
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.9	3.0	0.1	**12.4**
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.9	3.1	0.1	**12.7**
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.9	3.1	0.1	**12.0**
1981	0.5	0.2	2.2	3.5	0.5	0.8	1.0	2.7	0.2	**11.6**
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.9	2.5	0.1	**10.1**

a. Acetate includes triacetate. Cigarette tow is excluded.
b. Nylon includes aramid.
c. Ester means polyester.
d. Acrylic includes modacrylic.

U.S. MILL CONSUMPTION OF MAN-MADE FIBER[a], COTTON & WOOL

MILLION POUNDS & *Percent*

YEAR	MAN-MADE FIBER	%[b]	%[c]	%[d]	COTTON	%[b]	%[c]	%[d]	WOOL	%[b]	%[c]	%[d]	TOTAL	%[b]	%[c]	%[d]
1970	5,500.9	..	..	*57.6*	3,773.6	..	..	*39.5*	273.3	..	..	*2.9*	**9,547.8**	..	..	*100.0*
1971	6,529.2	*+18.7*	*+18.7*	*60.9*	3,965.1	*+5.1*	*+5.1*	*37.0*	219.3	*-19.8*	*-19.8*	*2.1*	**10,713.6**	*+12.2*	*+12.2*	*100.0*
1972	7,565.7	*+15.9*	*+37.5*	*64.9*	3,849.8	*-2.9*	*+2.0*	*33.0*	246.9	*+12.6*	*-9.7*	*2.1*	**11,662.4**	*+8.8*	*+22.1*	*100.0*
1973	8,664.2	*+14.5*	*+57.5*	*69.3*	3,643.3	*-5.4*	*-3.4*	*29.2*	182.1	*-26.2*	*-33.4*	*1.5*	**12,489.6**	*+7.1*	*+30.8*	*100.0*
1974	7,698.0	*-11.2*	*+39.9*	*69.2*	3,306.1	*-9.3*	*-12.4*	*29.7*	116.5	*-36.0*	*-57.4*	*1.1*	**11,120.6**	*-11.0*	*+16.5*	*100.0*
1975	7,416.5	*-3.7*	*+34.8*	*69.9*	3,068.7	*-7.2*	*-18.7*	*28.9*	132.0	*+13.3*	*-51.7*	*1.2*	**10,617.2**	*-4.5*	*+11.2*	*100.0*
1976	8,052.5	*+8.6*	*+46.4*	*69.5*	3,389.0	*+10.4*	*-10.2*	*29.2*	145.9	*+10.5*	*-46.6*	*1.3*	**11,587.4**	*+9.1*	*+21.4*	*100.0*
1977	8,887.5	*+10.4*	*+61.6*	*72.9*	3,169.8	*-6.5*	*-16.0*	*26.0*	133.9	*-8.2*	*-51.0*	*1.1*	**12,191.2**	*+5.2*	*+27.7*	*100.0*
1978	9,227.7	*+3.8*	*+67.7*	*74.4*	3,040.4	*-4.1*	*-19.4*	*24.5*	141.6	*+5.7*	*-48.2*	*1.1*	**12,409.7**	*+1.8*	*+30.0*	*100.0*
1979	9,446.0	*+2.4*	*+71.7*	*74.7*	3,066.4	*+0.8*	*-18.7*	*24.2*	134.4	*-5.1*	*-50.8*	*1.1*	**12,646.8**	*+1.9*	*+32.4*	*100.0*
1980	8,[illegible]60.1	*-7.3*	*+59.2*	*73.2*	3,064.4	*-0.1*	*-18.8*	*25.6*	137.8	*+2.5*	*-49.6*	*1.2*	**11,962.3**	*-5.4*	*+25.3*	*100.0*
1981	8,7[illegible]2.4	*-0.7*	*+58.2*	*75.1*	2,730.8	*-10.9*	*-27.6*	*23.6*	152.7	*+10.8*	*-44.1*	*1.3*	**11,585.9**	*-3.1*	*+21.3*	*100.0*
1982	7,530.4	*-13.5*	*+36.9*	*74.2*	2,487.9	*-8.9*	*-34.1*	*24.5*	129.5	*-15.2*	*-52.6*	*1.3*	**10,147.8**	*-12.4*	*+6.3*	*100.0*

a. Man-made fiber data include textile glass fiber.
b. Percent change from year to year.
c. Percentage change from 1970.
d. Percent of total fiber consumption.

1.305 TL (1)

MAN-MADE FIBER PRODUCTION

MILLION POUNDS

	CELLULOSIC									NONCELLULOSIC FIBER[c-h]			TOTAL TO THE LEFT	TEXTILE GLASS FIBER	TOTAL MAN-MADE FIBER
	RAYON YARN[a]			ACET YARN[b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A						
YEAR	INDUS	TEXT	TOTAL			RAYON	ACET[b]	TOTAL		YARN	STAPLE	TOTAL			
1961	251.0	141.7	392.7	249.0	641.7	400.5	53.0	453.5	1095.2	497.2	253.7	750.9	1846.1	149.3	1995.4
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3	2435.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9	2696.7
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5	3078.0
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3	3589.4
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4	3934.2
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8	4050.2
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7	5226.4
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4	5605.5
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3	5426.7
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2	6151.9
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6	7321.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0	8354.4
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9	8105.3
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5	7181.2
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0	8143.5
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7	9002.3
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3	9610.8
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4	10380.8
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3	9565.8
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1	9817.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2	7943.5

a. Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Acetate includes diacetate and triacetate. The acetate staple+tow data do not include the poundages thereof produced for cigarette filtration purposes.

c. Nylon includes aramid.

d. Olefin includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester.

f. Other yarn is chiefly saran and spandex in recent years.

g. Acrylic includes modacrylic.

h. Other staple+tow includes only olefin and vinyon for recent years.

Earlier years' data are on pages 8 & 9 of the January 1962 *Organon* Base Book issue and page 4 of the January-February 1971 issue.

1.305 TL (2)

NONCELLULOSIC FIBER PRODUCTION DETAIL

MILLION POUNDS

	YARN+MONOFILAMENTS					STAPLE+TOW+FIBERFILL				
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTHER[f]	TOTAL	NYLON[c]	ACRYL[g]	ESTER[e]	OTHER[h]	TOTAL
1961	441.7	18.9	36.6		497.2	34.2	140.1	77.4	2.0	253.7
1962	562.0	24.3	41.1		627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5		712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1		847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0		997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5		1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8		1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1		1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2		1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1		1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2		2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	951.7	11.2	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1319.8	13.2	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1408.0	11.9	3443.0	563.7	631.2	1517.5	68.2	2780.6
1975	1295.4	442.9	1458.9	11.7	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1404.7	13.5	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1592.1	15.5	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1563.7	16.0	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1715.6	18.0	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1462.0	19.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1569.2	22.0	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1213.6	17.0	3057.4	685.0	624.1	1955.2	138.2	3402.5

1.305 TL (3)

PRODUCERS' WASTE SHIPMENTS

MILLION POUNDS

YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL	YEAR	RAYON	NON-CELL
1961	32.8	52.3	1966	44.6	66.5	1971	36.3	157.8	1976	14.7	262.3	1981	15.3	174.2
1962	34.5	37.7	1967	36.1	92.8	1972	38.5	202.7	1977	18.5	291.0	1982	10.7	173.2
1963	40.2	42.0	1968	44.3	122.3	1973	36.8	274.8	1978	15.7	263.9			
1964	49.0	45.9	1969	39.4	140.3	1974	29.9	246.4	1979	17.2	238.6			
1965	51.5	55.2	1970	34.5	136.3	1975	13.2	228.7	1980	13.5	170.2			

1.305 T2(4)

MAN-MADE FIBER DISTRIBUTION

MILLION POUNDS

CELLULOSIC

	YARN+MONOFILAMENTS							STAPLE+TOW							TEXTILE GLASS				
	PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS				
	TO DOM. CONSUMERS[ab]							TO DOM. CONSUMERS											
YEAR	RAYON	ACET	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS	RAYON	ACET[b]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS	DO-MESTIC	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS
1961	385.2	240.8	626.0	33.1	659.1	1.8	627.8	411.8	51.4	463.2	2.8	466.0	37.0	500.2	147.2	6.0	153.2	..	147.2
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	..	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	..	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	..	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	..	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	8.3	207.4	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6

NONCELLULOSIC

	YARN+MONOFILAMENTS									STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS									PRODUCERS' SHIPMENTS								
	TO DOMESTIC CONSUMERS									TO DOMESTIC COMSUMERS								
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	OTH[f]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS	NYLON[c]	ACRYL[g]	ESTER[e]	OTH[h]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	DO-MESTIC CONS
1961	419.0	17.5	36.1		472.6	25.2	497.8	4.7	477.3	36.0	123.8	70.9	3.0	233.7	22.3	256.0	3.2	236.9
1962	503.1	22.5	38.1		563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9		648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6		793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2		919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	81.4	13.4	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	133.0	11.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	226.7	10.5	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	353.6	10.9	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	433.0	10.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	636.8	10.1	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	935.4	11.4	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1320.5	13.1	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1295.2	12.0	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1477.0	12.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1373.9	12.0	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1510.6	15.0	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1507.6	15.5	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1525.1	17.0	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1363.4	18.0	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1430.0	20.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	59.4	3387.3
1982	1165.6	577.0	1134.8	16.5	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8

Domestic consumption (CONS) means the sum of producers' domestic shipments and imports for consumption.

Imports for consumption (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun, & handwork yarns; sewing thread; sliver, tops & roving and waste.

a-h. See these lettered footnotes on the opposite page.

Noncellulosic data from 1940 are on page 5 of the January-February 1971 issue. Cellulosic data from 1911 are on page 9 of the January 1962 *Organon* Base Book.

1.306 TL (7)

U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF FIBER & PRODUCTS

MILLION POUNDS & *Percent*

MAN-MADE FIBER MILL CONSUMPTION = PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)

	CELLULOSIC										
	YARN+MONOFILAMENTS			STAPLE+TOW			WASTE				
YEAR	DOM (1)	IMP (2)	TOTAL (3)	DOM (4)	IMP (5)	TOTAL (6)	SHIP (7)	IMP (8)	EXP (9)	NET (10)	TOTAL (11)
1970	695.9	3.7	699.6	634.2	80.6	714.8	34.5	0.1	22.9	11.7	1,426.1
1971	729.3	5.2	734.5	669.8	81.3	751.1	36.3	--	15.9	20.4	1,506.0
1972	632.8	10.8	643.6	718.4	51.3	769.7	38.5	--	23.6	14.9	1,428.2
1973	589.9	18.1	608.0	734.5	47.4	781.9	36.8	--	37.5	-0.7	1,389.2
1974	473.4	9.2	482.6	589.2	38.7	627.9	29.9	0.2	33.0	-2.9	1,107.6
1975	368.6	9.2	377.8	385.4	37.9	423.3	13.2	0.1	12.4	0.9	802.0
1976	314.5	25.1	339.6	472.0	43.2	515.2	14.7	0.4	14.6	0.5	855.3
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3
1982	199.1	8.3	207.4	294.7	13.4	308.1	10.7	0.4	3.2	7.9	523.4

	NONCELLULOSIC FIBER											TEXTILE GLASS FIBER
	YARN+MONOFILAMENTS			STAPLE+TOW			WASTE					
YEAR	DOM (12)	IMP (13)	TOTAL (14)	DOM (15)	IMP (16)	TOTAL (17)	SHIP (18)	IMP (19)	EXP (20)	NET (21)	TOTAL (22)	TOTAL (23)
1970	1,682.6	120.8	1,803.4	1,682.1	57.7	1,739.8	136.3	21.7	31.3	126.7	3,669.9	404.9
1971	2,100.1	234.4	2,334.5	1,964.1	93.3	2,057.4	157.8	36.2	29.4	164.6	4,556.5	466.7
1972	2,689.8	224.5	2,914.3	2,363.1	103.7	2,466.8	202.7	48.0	63.5	187.2	5,568.3	569.2
1973	3,273.7	140.1	3,413.8	2,848.4	112.8	2,961.2	274.8	47.8	98.6	224.0	6,599.0	676.0
1974	3,142.3	92.1	3,234.4	2,450.5	73.2	2,523.7	246.4	46.3	91.2	201.5	5,959.6	630.8
1975	3,214.8	53.8	3,268.6	2,553.5	55.2	2,608.7	228.7	25.0	50.0	203.7	6,081.0	533.5
1976	3,147.2	64.0	3,211.2	3,018.5	67.3	3,085.8	262.3	30.5	70.2	222.6	6,519.6	677.6
1977	3,461.4	92.5	3,553.9	3,373.1	52.9	3,426.0	291.0	23.2	66.1	248.1	7,228.0	791.3
1978	3,641.9	52.2	3,694.1	3,505.5	60.5	3,566.0	263.9	26.0	88.7	201.2	7,461.3	886.7
1979	3,797.6	20.0	3,817.6	3,713.5	39.3	3,752.8	238.6	21.1	137.7	122.0	7,692.4	922.6
1980	3,532.0	19.6	3,551.6	3,482.5	35.6	3,518.1	170.2	21.5	116.4	75.3	7,145.0	874.4
1981	3,483.1	18.9	3,502.0	3,327.9	59.4	3,387.3	174.2	49.9	107.3	116.8	7,006.1	982.0
1982	2,893.9	23.8	2,917.7	3,037.6	51.2	3,088.8	173.2	37.8	86.1	124.9	6,131.4	875.6

MILL CONSUMPTION OF 4 FIBERS

	MAN-MADE FIBER[a]		COTTON		WOOL		SILK		TOTAL	
YEAR	LB (24)	%	LB (25)	%	LB (26)	%	LB (27)	%	LB (28)	%
1970	5,500.9	*57.6*	3,773.6	*39.5*	273.3	*2.9*	1.8	--	9,549.6	*100*
1971	6,529.2	*60.9*	3,965.1	*37.0*	219.3	*2.1*	1.7	--	10,715.3	*100*
1972	7,565.7	*64.9*	3,849.8	*33.0*	246.9	*2.1*	2.1	--	11,664.5	*100*
1973	8,664.2	*69.3*	3,643.3	*29.2*	182.1	*1.5*	3.3	--	12,492.9	*100*
1974	7,698.0	*69.2*	3,306.1	*29.7*	116.5	*1.1*	2.6	--	11,123.2	*100*
1975	7,416.5	*69.9*	3,068.7	*28.9*	132.0	*1.2*	1.0	--	10,618.2	*100*
1976	8,052.5	*69.5*	3,389.0	*29.2*	145.9	*1.3*	2.8	--	11,590.2	*100*
1977	8,887.5	*72.9*	3,169.8	*26.0*	133.9	*1.1*	1.6	--	12,192.8	*100*
1978	9,227.7	*74.4*	3,040.4	*24.5*	141.6	*1.1*	2.0	--	12,411.7	*100*
1979	9,446.0	*74.7*	3,066.4	*24.2*	134.4	*1.1*	1.5	--	12,648.3	*100*
1980	8,760.1	*73.2*	3,064.4	*25.6*	137.8	*1.2*	+	--	11,962.3	*100*
1981	8,702.4	*75.1*	2,730.8	*23.6*	152.7	*1.3*	2.0	--	11,587.9	*100*
1982	7,530.4	*74.2*	2,487.9	*24.5*	129.5	*1.3*	2.0	--	10,149.8	*100*

DOMESTIC CONSUMPTION OF 3 FIBERS (CONS) = MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS

	MAN-MADE FIBER			COTTON			WOOL			TOTAL		
YEAR	IMP (29)	EXP (30)	CONS (31)	IMP (32)	EXP (33)	CONS (34)	IMP (35)	EXP (36)	CONS (37)	IMP (38)	EXP (39)	CONS (40)
1970	329.3	147.1	5,683.1	463.1	199.2	4,037.5	85.9	4.9	354.3	878.3	351.2	10,074.9
1971	451.1	146.7	6,833.6	492.6	226.4	4,231.3	66.2	9.4	276.1	1,009.9	382.5	11,341.0
1972	480.5	177.6	7,868.6	610.7	290.4	4,170.1	63.0	30.6	279.3	1,154.2	498.6	12,318.0
1973	465.3	288.2	8,841.3	563.5	325.2	3,881.6	61.3	30.8	212.6	1,090.1	644.2	12,935.5
1974	371.3	390.7	7,678.6	502.7	392.5	3,416.3	53.3	23.0	146.8	927.3	806.2	11,241.7
1975	400.4	322.4	7,494.5	501.3	353.7	3,216.3	48.6	19.2	161.4	950.3	695.3	10,872.2
1976	479.5	352.2	8,179.8	708.6	413.2	3,684.4	66.7	13.9	198.7	1,254.8	779.3	12,062.9
1977	530.7	367.6	9,050.6	669.4	369.5	3,469.7	85.9	11.5	208.3	1,286.0	748.6	12,728.6
1978	642.6	441.7	9,428.6	845.4	355.7	3,530.1	92.2	11.6	222.2	1,580.2	809.0	13,180.9
1979	525.0	596.6	9,374.4	746.1	478.0	3,334.5	80.6	14.0	201.0	1,351.7	1,088.6	12,909.9
1980	540.6	771.5	8,529.2	810.9	523.1	3,352.2	85.1	23.8	199.1	1,436.6	1,318.4	12,080.5
1981	639.1	637.7	8,703.8	961.9	367.3	3,325.4	93.1	11.8	234.0	1,694.1	1,016.8	12,255.5
1982	698.0	438.5	7,789.9	897.2	253.4	3,131.7	100.1	10.8	218.8	1,695.3	702.7	11,140.4

a. The man-made fiber data include textile glass fiber as shown in Column 23 in the upper section. For detail on producers' shipments and imports of textile glass fiber, see page 37 of this issue.

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( )

All Census import and export commodity numbers are as of January 1978.

1, 4, 7, 12, 15, 18 & 23 - This issue, page 21.

2 - Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230, .0510 & .0610.

5 - Import Classes 309.3010, .3110, .4320 & .4325.

8 - Import Classes 309.6615 & .7510.

9 - Export Class 309.7400.

13 - Import Classes 309.0200, .0330-.0365, .0500, .0630-.0665, .2100, .2500, 310.0109-.0114, .0149-.0170, .0209-.0214, .0249-.0270, .0530, .0550, .0630 & .0650.

16 - Import Classes 309.3030-.3065, .3130-.3165 & .4338-.4355.

19 - Import Classes 309.6000, .6625-.7000 & .7525-.7555.

20 - Export Classes 309.7620, .7630, .7640 & .7660.

25 - ***U.S. Census Bureau Report M22P.***

26 - ***U.S. Census Bureau Report M22D.***

27 - Import Classes 308.0200-.2000.

29, 30, 32, 33, 35 & 36 - ***Cotton and Wool Outlook & Situation*** (U.S. Department of Agriculture).

CERTAIN TOTALS IN THE TABLES

(Obvious totals such as Columns 1+2=3, 4+5=6, etc., are not described here.)

10 - Columns 7+8-9
21 - Columns 18+19-20
24 - Columns 11+22+23
31 - Columns 24+29-30
34 - Columns 25+32-33
37 - Columns 26+35-36

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RAW FIBER EQUIVALENT OF IMPORTS & EXPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER							COTTON							WOOL						
	ANNUAL AVERAGE							ANNUAL AVERAGE							ANNUAL AVERAGE						
	1970-1974	1975-1979	1978	1979	1980	1981	1982	1970-1974	1975-1979	1978	1979	1980	1981	1982	1970-1974	1975-1979	1978	1979	1980	1981	1982
IMPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	25.4	34.1	59.7	37.5	30.2	34.9	38.2	27.1	18.9	30.8	12.4	19.4	24.1	28.5	8.2	5.4	6.1	4.2	4.2	5.0	7.7
CLOTH[b]	102.5	87.7	109.6	81.6	81.4	106.2	105.7	281.1	266.6	299.9	236.7	258.4	350.3	266.5	13.2	17.4	25.8	21.7	21.1	27.8	25.6
SUBTOTAL	**127.9**	**121.8**	**169.3**	**119.1**	**111.6**	**141.1**	**143.9**	**308.2**	**285.5**	**330.7**	**249.1**	**277.8**	**374.4**	**295.0**	**21.4**	**22.8**	**31.9**	**25.9**	**25.3**	**32.8**	**33.3**
MANUFACTURED PRODUCTS																					
WEARING APPAREL[c]	253.4	357.1	425.6	359.8	378.6	437.1	486.5	158.7	344.2	430.2	426.3	463.8	504.0	510.5	30.4	36.8	44.9	39.2	41.7	40.9	46.4
INDUSTRIAL[d]	7.6	0.7	0.1	0.1	0.1	0.3	1.1	8.3	5.7	6.7	5.6	10.1	8.8	10.0	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[e]	} 30.6	36.0	47.6	46.0	50.3	60.6	66.5	36.9	40.7	57.7	44.4	45.4	59.5	67.0	11.7	14.1	14.5	14.4	17.3	18.5	19.6
ALL OTHER[f]								14.4	18.0	20.1	20.7	13.8	15.2	14.7	2.4	1.1	0.9	1.1	0.8	0.9	0.8
SUBTOTAL	**291.6**	**393.8**	**473.3**	**405.9**	**429.0**	**498.0**	**554.1**	**218.3**	**408.6**	**514.7**	**497.0**	**533.1**	**587.5**	**602.2**	**44.5**	**52.0**	**60.3**	**54.7**	**59.8**	**60.3**	**66.8**
TOTAL IMPORTS	**419.5**	**515.6**	**642.6**	**525.0**	**540.6**	**639.1**	**698.0**	**526.5**	**694.1**	**845.4**	**746.1**	**810.9**	**961.9**	**897.2**	**65.9**	**74.8**	**92.2**	**80.6**	**85.1**	**93.1**	**100.1**
EXPORTS																					
SEMIMANUFACTURED PRODUCTS																					
YARN, THREAD, ETC.[a]	23.3	39.5	37.7	55.8	53.3	62.2	40.2	20.7	23.7	32.0	34.2	47.0	38.1	30.1	14.0	5.5	2.6	4.2	4.8	3.6	4.9
CLOTH[g]	113.0	186.0	187.5	257.6	298.5	256.4	174.8	170.0	224.9	187.8	267.1	212.3	127.7	84.8	0.7	1.2	1.2	1.5	1.6	1.9	1.4
SUBTOTAL	**136.3**	**225.5**	**225.2**	**313.4**	**351.8**	**318.6**	**215.0**	**190.7**	**248.6**	**219.8**	**301.3**	**259.3**	**165.8**	**114.9**	**14.7**	**6.7**	**3.8**	**5.7**	**6.4**	**5.5**	**6.3**
MANUFACTURED PRODUCTS																					
WEARING APPAREL	21.5	43.1	48.6	60.5	127.1	120.7	75.2	32.9	63.0	61.8	90.9	180.8	123.0	80.0	1.8	3.6	5.5	5.9	14.9	4.0	2.9
INDUSTRIAL[d]	11.2	46.0	63.9	87.0	115.5	48.1	27.8	17.8	23.4	23.8	25.2	19.6	17.5	14.3	NOMINAL POUNDAGES INCLUDED IN OTHER						
HOME FURNISHINGS[h]	24.3	52.5	43.8	65.6	111.4	84.2	65.9	23.5	36.9	32.2	42.2	43.0	38.7	28.3	1.7	1.9	0.8	0.3	0.4	0.3	0.2
ALL OTHER[i]	36.8	49.0	60.2	70.1	65.7	66.1	54.6	21.8	22.1	18.1	18.4	20.4	22.3	15.9	1.5	1.9	1.5	2.1	2.1	2.0	1.4
SUBTOTAL	**93.8**	**190.6**	**216.5**	**283.2**	**419.7**	**319.1**	**223.5**	**96.0**	**145.4**	**135.9**	**176.7**	**263.8**	**201.5**	**138.5**	**5.0**	**7.4**	**7.8**	**8.3**	**17.4**	**6.3**	**4.5**
TOTAL/EXPORTS	**230.1**	**416.1**	**441.7**	**596.6**	**771.5**	**637.7**	**438.5**	**286.7**	**394.0**	**355.7**	**478.0**	**523.1**	**367.3**	**253.4**	**19.7**	**14.1**	**11.6**	**14.0**	**23.8**	**11.8**	**10.8**
NET EXPORTS (+) OR NET IMPORTS (-)	**-189.4**	**-99.5**	**-200.9**	**+71.6**	**+230.9**	**-1.4**	**-259.5**	**-239.8**	**-300.1**	**-489.7**	**-268.1**	**-287.8**	**-594.6**	**-643.8**	**-46.2**	**-60.7**	**-80.6**	**-66.6**	**-61.3**	**-81.3**	**-89.3**

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

a. Man-made fiber yarn exports do not include substantial poundages of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980-1982 only; the corresponding poundages for each year are, respectively (in millions of pounds): 142.4, 254.0 & 166.2.

Includes sliver, tops, roving, plied (textured and other), thrown and spun yarn, sewing thread and handwork yarns. Yarn singles (textured and other) are not included here; rather they are included in Column 13 on page 38 of this issue.

b. Includes broad & narrow woven fabrics and knit cloth, except that cotton narrow fabrics and wool knit fabrics are included in All Other.

c. Wool includes lace & lace articles, veils & veilings and nets & nettings.

d. The man-made fiber data are tire cord & tire cord fabric.

e. Includes carpets & rugs. Lace window curtains are in All Other.

f. Includes such products as lace & lace articles, lace window curtains, braids, tassels, polishing & dustcloths, etc. Wool includes knit fabric in the piece, but not lace & lace articles, which are in Wearing Apparel.

g. Includes broad & narrow woven fabrics and knit cloth. Cotton also includes table damask, tire cord & fabric. Cotton knit fabrics and narrow fabrics are included in All Other.

h. Includes carpets & rugs.

i. Includes such products as lace & lace articles, polishing & dustcloths, braids, tassels, etc. Cotton also includes knits and narrow fabric.

Note: In the case of blended or mixed fiber products, the poundages of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with man-made fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	3RD Q 1981			4TH Q 1981			1ST Q 1982			2ND Q 1982			3RD Q 1982			4TH Q 1982		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	2.6	4.5	1.9 E	2.1	5.8	3.7 E	2.0	7.4	5.4 E	2.1	4.5	2.4 E	1.6	6.0	4.4 E	1.3	4.2	2.9 E
STAPLE+TOW[b]	4.5	15.0	10.5 E	4.3	15.0	10.7 E	3.8	14.7	10.9 E	2.7	14.9	12.2 E	4.1	17.4	13.3 E	2.8	19.9	17.1 E
WASTE	0.1	0.4	0.3 E	0.2	0.9	0.7 E	0.1	1.0	0.9 E	0.2	1.3	1.1 E	0.1	0.4	0.3 E	0	0.5	0.5 E
SUBTOTAL ABOVE	**7.2**	**19.9**	**12.7 E**	**6.6**	**21.7**	**15.1 E**	**5.9**	**23.1**	**17.2 E**	**5.0**	**20.7**	**15.7 E**	**5.8**	**23.8**	**18.0 E**	**4.1**	**24.6**	**20.5 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	5.2	119.7	114.5 E	4.6	109.9	105.3 E	4.2	109.3	105.1 E	4.9	114.8	109.9 E	6.9	62.4	55.5 E	7.8	59.8	52.0 E
STAPLE+TOW	19.1	205.1	186.0 E	12.2	191.1	178.9 E	9.6	148.6	139.0 E	10.7	85.6	74.9 E	15.4	87.0	71.6 E	15.4	89.8	74.4 E
WASTE	12.5	25.0	12.5 E	14.4	28.7	14.3 E	10.3	28.5	18.2 E	10.4	23.9	13.5 E	9.3	13.7	4.4 E	7.8	20.0	12.2 E
SUBTOTAL ABOVE	**36.8**	**349.8**	**313.0 E**	**31.2**	**329.7**	**298.5 E**	**24.1**	**286.4**	**262.3 E**	**26.0**	**224.3**	**198.3 E**	**31.6**	**163.1**	**131.5 E**	**31.0**	**169.6**	**138.6 E**
TOTAL FIBER ABOVE[c]	**44.0**	**369.7**	**325.7 E**	**37.8**	**351.4**	**313.6 E**	**30.0**	**309.5**	**279.5 E**	**31.0**	**245.0**	**214.0 E**	**37.4**	**186.9**	**149.5 E**	**35.1**	**194.2**	**159.1 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	1.1	3.2	2.1 E	0.7	2.7	2.0 E	1.0	2.5	1.5 E	0.3	1.2	0.9 E	1.0	1.9	0.9 E	0.4	1.1	0.7 E
SPUN YARNS	6.7	9.3	2.6 E	6.6	8.4	1.8 E	6.1	7.6	1.5 E	8.7	8.2	0.5 I	9.0	6.5	2.5 I	9.4	5.9	3.5 I
THREAD & CRAFT YARNS	0.6	1.2	0.6 E	0.8	1.5	0.7 E	0.6	1.4	0.8 E	0.6	1.6	1.0 E	0.4	1.0	0.6 E	0.7	1.3	0.6 E
TIRE CORD & FABRIC	0.1	11.8	11.7 E	0.2	9.9	9.7 E	0.1	8.6	8.5 E	*	7.7	7.7 E	0.3	6.2	5.9 E	0.7	5.3	4.6 E
WOVEN FABRIC	26.0	45.4	19.4 E	22.3	44.2	21.9 E	21.2	31.3	10.1 E	24.6	36.1	11.5 E	26.1	31.3	5.2 E	21.4	33.9	12.5 E
KNIT FABRIC	0.5	4.9	4.4 E	0.6	3.8	3.2 E	0.6	3.6	3.0 E	0.6	3.5	2.9 E	0.6	4.2	3.6 E	0.5	4.3	3.8 E
NARROW FABRICS	2.3	6.4	4.1 E	2.1	6.7	4.6 E	2.4	6.3	3.9 E	3.2	7.5	4.3 E	2.5	6.7	4.2 E	2.0	6.1	4.1 E
APPAREL - KNIT	60.7	27.8	111.3 I	44.0	24.8	80.6 I	34.2	21.5	81.2 I	45.7	21.3	97.6 I	65.8	17.9	135.0 I	47.4	14.5	97.5 I
- NOT KNIT	78.4			61.4			68.5			73.2			87.1			64.6		
HOME FURNISHINGS	16.3	20.4	19.7 E	17.2	18.9	16.8 E	14.3	17.3	15.8 E	17.2	19.8	18.0 E	19.0	14.1	8.2 E	16.0	14.7	12.0 E
OTHER		15.6			15.1			12.8			15.4			13.1			13.3	
TOTAL MANUFACTURES	**192.7**	**146.0**	**46.7 I**	**155.9**	**136.0**	**19.9 I**	**149.0**	**112.9**	**36.1 I**	**174.1**	**122.3**	**51.8 I**	**211.8**	**102.9**	**108.9 I**	**163.1**	**100.4**	**62.7 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**236.7**	**515.7**	**279.0 E**	**193.7**	**487.4**	**293.7 E**	**179.0**	**422.4**	**243.4 E**	**205.1**	**367.3**	**162.2 E**	**249.2**	**289.8**	**40.6 E**	**198.2**	**294.6**	**96.4 E**
COTTON MANUFACTURES[e]	**258.0**	**79.8**	**178.2 I**	**235.4**	**78.8**	**156.6 I**	**211.5**	**65.4**	**146.1 I**	**221.3**	**73.3**	**148.0 I**	**250.0**	**59.1**	**190.9 I**	**214.4**	**55.6**	**158.8 I**
WOOL MANUFACTURES[f]	**36.5**	**2.7**	**33.8 I**	**24.4**	**2.7**	**21.7 I**	**21.7**	**3.0**	**18.7 I**	**29.6**	**3.5**	**26.1 I**	**37.0**	**2.9**	**34.1 I**	**11.8**	**1.4**	**10.4 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man-Made Fiber Above" on page 46 of this issue for imports and page 30 of the February issue for exports.

d. Man-made fiber equivalent.

e. Raw cotton equivalent. Data are similar to those on page 39 of this issue.

f. Raw wool content. The data differ from those on page 39 of this issue to the extent that noils and waste are included here.

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U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	1977			1978			1979			1980			1981			1982		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
MAN-MADE FIBER MANUFACTURES																		
SLIVER, TOPS & ROVING	4.8	12.1	7.3 E	7.6	10.2	2.6 E	6.7	13.2	6.5 E	2.8	13.1	10.3 E	3.7	11.0	7.3 E	2.7	6.7	4.0 E
SPUN YARNS[b]	31.5	23.8	7.7 I	49.6	21.8	27.8 I	28.3	34.2	5.9 E	25.1	32.8	7.7 E	28.3	45.7	17.4 E	33.2	28.2	5.0 I
THREAD & CRAFT YARNS	3.5	3.6	0.1 E	2.5	5.8	3.3 E	2.6	8.4	5.8 E	2.3	7.4	5.1 E	2.9	5.5	2.6 E	2.3	5.3	3.0 E
TIRE CORD & FABRIC	2.6	35.5	32.9 E	0.1	63.9	63.8 E	0.1	87.0	86.9 E	0.1	115.5	115.4 E	0.3	48.1	47.8 E	1.1	27.8	26.7 E
WOVEN FABRIC	67.7	131.4	63.7 E	87.8	165.7	77.9 E	64.6	228.7	164.1 E	67.3	249.8	182.5 E	95.4	208.5	113.1 E	93.3	132.6	39.3 E
KNIT FABRIC	12.6	11.3	1.3 I	12.4	9.8	2.6 I	8.0	16.4	8.4 E	6.0	23.2	17.2 E	2.1	21.7	19.6 E	2.3	15.6	13.3 E
NARROW FABRIC	7.6	10.5	2.9 E	9.4	12.0	2.6 E	8.9	12.5	3.6 E	8.1	25.5	17.4 E	8.7	26.2	17.5 E	10.1	26.6	16.5 E
APPAREL - KNIT	218.7	40.3	325.8 I	242.4	48.6	377.0 I	184.5	60.5	299.3 I	187.7	127.1	251.5 I	184.7	120.7	316.4 I	193.1	75.2	411.3 I
- NOT KNIT	147.4			183.2			175.3			190.9			252.4			293.4		
HOME FURNISHINGS	34.3	56.6	64.8 E	47.6	43.8	56.3 E	46.0	65.6	89.7 E	50.3	111.4	126.8 E	60.6	84.2	89.7 E	66.5	65.9	54.0 E
OTHER		42.5			60.1			70.1			65.7			66.1			54.6	
TOTAL MAN-MADE FIBER MANUFACTURES	**530.7**	**367.6**	**163.1 I**	**642.6**	**441.7**	**200.9 I**	**525.0**	**596.6**	**71.6 E**	**540.6**	**771.5**	**230.9 E**	**639.1**	**637.7**	**1.4 I**	**698.0**	**438.5**	**259.5 I**
COTTON MANUFACTURES																		
SPUN YARNS[c]	13.1	13.0	0.1 I	30.4	22.1	8.3 I	11.9	29.8	17.9 E	18.6	32.3	13.7 E	23.1	22.9	0.2 I	27.3	18.8	8.5 I
THREAD & CRAFT YARNS	0.4	3.9	3.5 E	0.4	9.9	9.5 E	0.5	4.4	3.9 E	0.8	14.7	13.9 E	1.0	15.2	14.2 E	1.2	11.3	10.1 E
WOVEN FABRIC[d]	244.6	204.0	40.6 I	299.9	187.8	112.1 I	236.7	267.1	30.4 E	258.4	212.3	46.1 I	350.3	127.7	222.6 I	266.5	84.8	181.7 I
APPAREL - KNIT	348.3	14.0	283.0 I	430.2	21.3	368.4 I	426.3	33.3	335.4 I	463.8	65.2	283.0 I	504.0	60.4	381.0 I	510.5	34.7	430.5 I
- NOT KNIT		51.3			40.5			57.6			115.6			62.6			45.3	
HOME FURNISHINGS	39.4	37.3	2.1 I	57.7	32.2	25.5 I	44.4	42.2	2.2 I	45.4	43.0	2.4 I	59.5	38.7	20.8 I	67.0	28.3	38.7 I
OTHER	23.6	46.0	22.4 E	26.8	41.9	15.1 E	26.3	43.6	17.3 E	23.9	40.0	16.1 E	24.0	39.8	15.8 E	24.7	30.2	5.5 E
TOTAL COTTON MANUFACTURES	**669.4**	**369.5**	**299.9 I**	**845.4**	**355.7**	**489.7 I**	**746.1**	**478.0**	**268.1 I**	**810.9**	**523.1**	**287.8 I**	**961.9**	**367.3**	**594.6 I**	**897.2**	**253.4**	**643.8 I**
WOOL MANUFACTURES																		
SLIVER, TOPS & ROVING	0.8	1.7	0.9 E	0.6	1.3	0.7 E	0.4	3.2	2.8 E	0.3	4.2	3.9 E	0.3	2.6	2.3 E	0.5	4.3	3.8 E
SPUN YARNS	5.8	1.5	4.3 I	5.5	1.3	4.2 I	3.8	1.0	2.8 I	3.9	0.6	3.3 I	4.7	1.0	3.7 I	7.2	0.6	6.6 I
WOVEN FABRIC	18.7	0.7	18.0 I	25.8	1.0	24.8 I	21.7	1.2	20.5 I	21.1	1.4	19.7 I	27.8	1.7	26.1 I	25.6	1.3	24.3 I
KNIT FABRIC	0	0.2	0.2 E	0	0.2	0.2 E	0	0.3	0.3 E	0	0.2	0.2 E	0	0.2	0.2 E	0	0.1	0.1 E
APPAREL - KNIT	25.8	0.6	25.2 I	22.3	4.3	18.0 I	19.1	4.6	14.5 I	24.4	13.0	11.4 I	22.8	2.0	20.8 I	25.7	1.8	23.9 I
- NOT KNIT	18.3	1.8	16.5 I	22.6	1.2	21.4 I	20.1	1.3	18.8 I	17.3	1.9	15.4 I	18.1	2.0	16.1 I	20.7	1.1	19.6 I
HOME FURNISHINGS	15.3	2.7	12.6 I	14.5	0.8	13.7 I	14.4	0.3	14.1 I	17.3	0.4	16.9 I	18.5	0.3	18.2 I	19.6	0.2	19.4 I
OTHER	1.2	2.3	1.1 E	0.9	1.5	0.6 E	1.1	2.1	1.0 E	0.8	2.1	1.3 E	0.9	2.0	1.1 E	0.8	1.4	0.6 E
TOTAL WOOL MANUFACTURES	**85.9**	**11.5**	**74.4 I**	**92.2**	**11.6**	**80.6 I**	**80.6**	**14.0**	**66.6 I**	**85.1**	**23.8**	**61.3 I**	**93.1**	**11.8**	**81.3 I**	**100.1**	**10.8**	**89.3 I**
TOTAL MANUFACTURES	**1,286.0**	**748.6**	**537.4 I**	**1,580.2**	**809.0**	**771.2 I**	**1,351.7**	**1,088.6**	**263.1 I**	**1,436.6**	**1,318.4**	**118.2 I**	**1,694.1**	**1,016.8**	**677.3 I**	**1,695.3**	**702.7**	**992.6 I**

SOURCE: *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

a. **E** means a net export balance; **I** is a net import balance.

b. Includes thrown or plied yarn imports.

c. Includes twine & cordage exports.

d. Includes tire cord exports.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBERS

MILLION POUNDS

PRODUCTS	1977			1978			1979			1980			1981			1982		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	23.5	30.4	6.9 **E**	25.7	20.7	5.0 **I**	13.3	30.8	17.5 **E**	8.3	26.9	18.6 **E**	10.7	24.7	14.0 **E**	7.0	22.1	15.1 **E**
STAPLE+TOW[b]	57.8	57.7	0.1 **I**	41.1	86.9	45.8 **E**	16.5	106.5	90.0 **E**	10.3	71.1	60.8 **E**	16.8	62.1	45.3 **E**	13.4	67.0	53.6 **E**
WASTE	0.6	12.6	12.0 **E**	0.4	7.0	6.6 **E**	0.8	9.6	8.8 **E**	0.3	6.1	5.8 **E**	0.5	2.8	2.3 **E**	0.4	3.2	2.8 **E**
SUBTOTAL ABOVE	**81.9**	**100.7**	**18.8 E**	**67.2**	**114.6**	**47.4 E**	**30.6**	**146.9**	**116.3 E**	**18.9**	**104.1**	**85.2 E**	**28.0**	**89.6**	**61.6 E**	**20.8**	**92.3**	**71.5 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	92.5	182.2	89.7 **E**	52.2	174.4	122.2 **E**	20.0	290.8	270.8 **E**	19.6	355.3	335.7 **E**	18.9	463.4	444.5 **E**	23.8	346.4	322.6 **E**
STAPLE+TOW	52.9	242.4	189.5 **E**	60.5	428.9	368.4 **E**	39.4	658.3	618.9 **E**	35.5	732.5	697.0 **E**	60.4	790.7	730.3 **E**	51.1	411.0	359.9 **E**
WASTE	23.2	66.1	42.9 **E**	26.0	88.7	62.7 **E**	21.1	137.7	116.6 **E**	21.7	116.4	94.7 **E**	50.0	107.3	57.3 **E**	37.8	86.1	48.3 **E**
SUBTOTAL ABOVE	**168.6**	**490.7**	**322.1 E**	**138.7**	**692.0**	**553.3 E**	**80.5**	**1,086.8**	**1,006.3 E**	**76.8**	**1,204.2**	**1,127.4 E**	**129.3**	**1,361.4**	**1,232.1 E**	**112.7**	**843.5**	**730.8 E**
TOTAL MAN-MADE FIBER ABOVE	**250.5**	**591.4**	**340.9 E**	**205.9**	**806.6**	**600.7 E**	**111.1**	**1,233.7**	**1,122.6 E**	**95.7**	**1,308.3**	**1,212.6 E**	**157.3**	**1,451.0**	**1,293.7 E**	**133.5**	**935.8**	**802.3 E**
TEXTILE GLASS FIBER	22.0	29.2	7.2 **E**	21.8	29.2	7.4 **E**	10.3	47.5	37.2 **E**	7.3	54.4	47.1 **E**	18.2	38.9	20.7 **E**	14.1	43.7	29.6 **E**
GRAND TOTAL ABOVE	**272.5**	**620.6**	**348.1 E**	**227.7**	**835.8**	**608.1 E**	**121.4**	**1,281.2**	**1,159.8 E**	**103.0**	**1,362.7**	**1,259.7 E**	**175.5**	**1,489.9**	**1,314.4 E**	**147.6**	**979.5**	**831.9 E**

SOURCES: The fiber import and export data are from the the U.S. Bureau of the Census.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

1,306 TL ⟨8-9⟩

RAW COTTON CONSUMPTION

THOUSAND BALES

MONTH	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
JAN	687	655	431	627	509	493	603	604	435	378
FEB	597	592	395	559	528	501	472	506	446	398
MAR	661	644	438	655	654	620	506	513	539	492
APR	632	610	462	596	507	484	584	622	433	409
MAY	637	633	501	579	507	484	484	496	441	392
JUN	604	546	494	610	616	575	489	478	531	460
JUL	504	535	485	489	395	383	503	487	385	317
AUG	636	562	531	550	494	459	472	442	429	386
SEP	543	489	548	556	606	569	482	456	517	474
OCT	649	529	629	554	835	432	630	597	448	416
NOV	620	432	604	527	504	595	482	458	403	390
DEC	509	390	624	531	562	435	436	475	400	425
TOTAL	**7279**	**6617**	**6142**	**6833**	**6717**	**6080**	**6143**	**6134**	**5407**	**4937**

RAW SILK DELIVERIES

BALES

MONTH	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
JAN	556	124	190	925	352	321	501	312	471	450
FEB	355	305	188	469	239	394	302	644	380	489
MAR	450	233	410	689	242	424	687	422	471	662
APR	499	277	393	362	212	382	353	507	446	398
MAY	393	175	394	251	254	397	471	366	322	234
JUN	119	288	219	579	259	299	418	285	529	369
JUL	577	269	380	337	322	316	407	257	300	495
AUG	214	139	219	358	311	341	756	332	259	403
SEP	71	97	505	422	370	401	492	342	348	364
OCT	93	302	585	268	424	280	490	365	414	226
NOV	105	151	225	222	322	468	368	265	487	514
DEC	246	96	641	159	433	214	518	323	611	317
TOTAL	**3678**	**2456**	**4349**	**5041**	**3740**	**4237**	**5763**	**4420**	**5038**	**4921**

12 [2]

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1982												1983
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
CELLULOSIC YARN, MONOFIL & STRIPS													
BRAZIL	0	0	28	27	0	27	0	0	27	0	0	0	0
CANADA	0	15	0	0	0	141	198	0	1	134	163	109	208
MEXICO	155	76	157	75	115	92	116	38	51	90	117	152	73
AUSTRIA	0	20	0	451	225	85	41	410	225	163	82	0	41
BELGIUM	11	0	0	23	0	0	13	46	0	0	0	9	0
FRANCE	44	--	0	0	22	0	0	1	26	35	2	25	0
GERMANY, FED. REP. OF	502	275	218	250	81	157	54	75	65	38	35	56	93
NETHERLANDS	86	77	17	59	53	30	22	28	1	28	91	1	11
SPAIN	40	81	46	47	47	0	0	0	0	0	0	0	0
JAPAN	20	42	36	1	36	2	21	70	35	22	20	3	18
ALL OTHER COUNTRIES[a]	3	2	0	83	0	0	4	0	2	0	2	0	40
TOTAL CELL. YARN	**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**	**433**	**510**	**512**	**355**	**484**
CELLULOSIC STAPLE+TOW													
CANADA	155	167	191	129	170	90	54	401	335	324	336	252	442
AUSTRIA	605	40	441	401	462	0	410	40	562	91	40	0	0
FRANCE	1	52	2	0	0	6	21	0	5	36	41	31	0
GERMANY, FED. REP. OF	42	44	43	0	0	65	0	0	0	--	15	1	0
SWEDEN	464	0	871	189	554	0	765	786	0	137	507	279	0
UNITED KINGDOM	117	2	108	69	119	0	76	74	0	71	166	32	2
AUSTRALIA	153	0	0	0	0	0	0	0	0	0	0	0	0
JAPAN	149	24	134	118	76	127	227	155	162	115	176	57	134
ALL OTHER COUNTRIES[b]	0	80	1	44	29	38	44	0	1	10	1	0	5
TOTAL CELL. STAPLE	**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**	**1065**	**784**	**1282**	**652**	**583**
NONCELLULOSIC YARN, MONOFIL & STRIPS													
CANADA	295	156	101	444	456	595	365	508	544	715	699	472	752
COSTA RICA	117	27	0	0	27	0	7	--	5	0	0	2	0
MEXICO	0	1	2	1	10	41	66	10	33	133	150	396	17
BELGIUM	0	2	9	11	0	46	66	499	0	3	0	22	0
FRANCE	128	114	79	106	49	17	243	195	98	191	415	242	157
GERMANY, FED. REP. OF	581	362	295	372	569	454	370	712	968	927	892	945	636
ITALY	24	2	175	1	10	18	16	70	42	1	17	76	88
SWITZERLAND	2	--	6	4	26	5	18	21	38	13	42	36	47
UNITED KINGDOM	67	48	38	43	5	54	14	44	14	78	48	2	36
JAPAN	453	661	463	450	438	535	554	461	737	500	420	243	810
ALL OTHER COUNTRIES[c]	16	5	12	10	72	37	31	40	62	11	116	27	305
TOTAL N.C. YARN	**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**	**2541**	**2572**	**2799**	**2463**	**2848**
NONCELLULOSIC STAPLE+TOW													
CANADA	439	310	864	219	476	365	276	816	332	406	503	444	278
MEXICO	177	27	57	79	--	75	343	0	476	567	820	858	1197
BELGIUM	29	31	1	12	0	0	32	0	0	35	0	21	6
FRANCE	219	194	444	308	301	247	324	1790	799	995	1010	841	1250
GERMANY, FED. REP. OF	730	752	975	725	861	341	420	527	726	607	1278	837	936
IRELAND	0	39	39	77	39	116	77	77	38	0	0	18	0
ITALY	58	23	153	115	63	76	1236	639	954	501	361	1309	421
NETHERLANDS	141	89	58	43	19	0	0	0	0	17	39	14	0
ROMANIA	50	106	29	219	5	29	0	0	0	0	0	28	0
SWITZERLAND	1	2	0	17	17	17	0	17	5	51	7	52	0
UNITED KINGDOM	195	250	259	238	412	181	25	76	268	193	390	294	233
JAPAN	588	461	510	401	520	612	885	575	740	512	744	724	933
TAIWAN	616	194	436	583	760	2041	748	1220	798	494	246	173	381
ALL OTHER COUNTRIES	15	3	1	0	11	74	98	21	46	18	16	1	0
TOTAL N.C. STAPLE	**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**	**5182**	**4396**	**5414**	**5614**	**5635**

Other countries supplying 1983 poundages are:

a. Rep. of Korea 40.

b. Taiwan 5.

c. Australia 10, Austria 6, Iceland 16, Ireland 29, Israel 64, Rep. of Korea 6, Netherlands 1, Spain 153, Sweden 7 and Taiwan 13.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE		(N) NYLON+ARAMID			(P) POLYESTER		(O) OLEFIN				
HOSIERY[b]	N	106.3	106.3	107.0	92.3	27.2	27.2	27.7	24.9	22.4	22.2	23.9	23.8
OTHER CIRCULAR KNIT[c]	N	58.9	56.6	48.2	25.7	12.3	13.6	11.4	10.9	8.4	5.4	7.0	4.9
	P	615.4	495.7	345.6	228.4	95.4	97.3	83.9	69.0	59.4	57.6	55.4	56.0
	A	4.5	3.2	3.6	1.6	0.6	1.2	1.3	0.5	0.4	0.7	0.2	0.3
FLAT KNIT	A	146.9	144.9	98.7	71.7	24.4	34.4	23.5	16.4	20.2	20.5	16.9	14.1
	N	202.6	176.3	163.2	130.8	43.3	44.5	37.6	37.8	32.8	32.6	31.0	34.4
	P	89.0	83.8	98.4	87.0	25.7	25.1	25.1	22.5	21.1	21.8	23.5	20.6
CARPET FACE	N	732.5	714.5	633.6	559.5	184.0	186.9	146.6	116.1	123.6	141.4	154.3	140.2
	O	85.3	89.5	89.5	90.0	21.5	22.7	22.0	23.3	23.4	22.1	23.0	21.5
CARPET BACKING[d]	O	220.7	197.8	195.3	184.7	52.7	49.9	48.0	44.7	45.7	45.6	49.1	44.3
OTHER BROAD WOVEN[e]	A	129.2	110.5	110.7	88.8	25.5	31.0	29.6	24.6	22.3	23.3	20.9	22.3
	N	102.7	94.3	89.2	82.2	22.0	21.9	21.6	23.7	21.5	20.8	18.9	21.0
	P	387.2	405.5	440.2	367.0	100.8	138.4	115.6	85.4	78.4	88.5	98.7	101.4
	O	171.4	186.3	200.7	172.5	50.3	50.3	51.5	48.6	42.8	44.6	43.1	42.0
NARROW WOVEN[f]	A	5.9	8.7	8.6	2.9	1.7	2.1	2.2	2.6	0.9	0.7	1.0	0.3
	N	37.2	31.4	34.0	30.2	9.1	7.1	9.2	8.6	8.2	7.8	6.6	7.6
	P	30.5	28.1	28.1	28.1	6.4	7.5	7.3	6.9	5.4	8.3	7.0	7.4
	O	11.8	12.3	12.6	12.1	3.2	3.2	3.1	3.1	2.8	3.0	3.2	3.1
TIRES, INCL. CHAFER	N	285.3	209.2	204.7	147.9	51.5	52.7	52.6	47.9	39.1	39.8	28.3	40.7
	P	227.4	161.0	174.8	168.9	43.3	44.1	46.6	40.8	43.7	44.1	39.9	41.2
OTHER RUBBER INDUSTRY[g]	N	28.7	22.3	25.7	17.3	7.2	6.4	5.5	6.6	6.4	5.2	2.7	3.0
	P	35.8	30.2	35.1	26.7	7.4	8.1	9.5	10.1	8.4	7.7	5.5	5.1
ROPE, CORDAGE & FISHLINE	N	38.2	33.0	30.6	29.1	8.2	7.9	8.2	6.3	7.1	6.7	7.3	8.0
	P	13.6	13.1	15.8	14.4	4.6	3.7	3.7	3.8	2.9	3.6	3.3	4.6
	O	95.3	84.4	92.1	84.8	28.5	22.9	18.9	21.8	23.2	20.6	19.6	21.4
ALL OTHER[h]	A	1.9	1.9	4.7	4.0	1.2	1.2	1.0	1.3	1.1	1.9	0.5	0.5
	N	38.9	95.0	68.1	50.6	15.7	17.9	20.0	14.5	12.1	14.6	12.7	11.2
	P	126.2	146.0	292.0	214.3	70.5	68.3	73.1	80.1	77.9	60.9	33.7	41.8
	O	39.7	41.4	38.1	32.9	8.1	9.6	11.5	8.9	8.9	9.1	6.5	8.4
TOTAL DOMESTIC ABOVE	A	288.4	269.2	226.3	169.0	53.4	69.9	57.6	45.4	44.9	47.1	39.5	37.5
	N	1631.3	1538.9	1404.3	1165.6	380.5	386.1	340.4	297.3	281.6	296.5	292.7	294.8
	P	1525.1	1363.4	1430.0	1134.8	354.1	392.5	364.8	318.6	297.2	292.5	267.0	278.1
	O	624.2	611.7	628.3	577.0	164.3	158.6	155.0	150.4	146.8	145.0	144.5	140.7
TOTAL DOMESTIC ABOVE		**4069.0**	**3783.2**	**3688.9**	**3046.4**	**952.3**	**1007.1**	**917.8**	**811.7**	**770.5**	**781.1**	**743.7**	**751.1**
ALSO DIVIDED AS													
APPAREL		1604.5	1530.4	1530.0	1128.2	385.3	437.4	378.5	328.8	303.9	285.6	268.6	270.1
HOME FURNISHINGS		1274.6	1212.7	1129.4	1016.6	309.9	312.7	273.3	233.5	237.7	257.4	269.5	252.0
INDUSTRIAL		1189.9	1040.1	1029.5	901.6	257.1	257.0	266.0	249.4	228.9	238.1	205.6	229.0
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		*	0	0	0	0	0	0	0	0	0	0	0
NYLON		166.8	167.4	159.6	122.3	40.9	42.3	39.7	36.7	30.9	29.7	31.6	30.1
POLYESTER		1015.3	942.0	991.3	737.9	248.3	277.5	251.0	214.5	198.1	189.1	172.7	178.0
OLEFIN		46.5	40.9	33.5	26.8	9.7	8.9	8.4	6.5	7.6	7.9	5.5	5.8

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a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1981				1982			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	238.8	275.7	255.6	230.5	63.2	70.6	67.2	54.6	54.7	62.6	56.3	56.9
	NPR	21.3	11.5	8.9	8.7	2.2	1.9	2.3	2.5	2.0	2.2	2.2	2.3
PILE FABRICS[b]	A	65.1	60.4	44.7	36.4	14.8	14.3	8.8	6.8	10.3	11.6	8.5	6.0
	P	17.8	18.3	14.9	15.6	3.6	4.5	3.5	3.3	3.9	3.8	4.0	3.9
OTHER CIRCULAR+FLAT KNIT[c]	R	11.7	9.8	10.9	7.4	2.7	3.3	2.6	2.3	2.0	1.8	1.8	1.8
	A	98.8	125.0	91.6	112.6	24.0	26.2	23.3	18.1	24.4	33.0	28.8	26.4
	P	278.1	296.3	300.7	288.8	77.7	78.7	78.2	66.1	70.9	72.2	71.8	73.9
BLANKETS[b]	A	45.5	42.2	28.1	23.7	7.6	6.2	6.4	7.9	4.7	5.5	7.1	6.4
	P	13.2	17.3	14.8	12.0	3.2	4.1	3.1	4.4	2.1	3.0	3.3	3.6
OTHER BROAD WOVEN	R	233.2	201.6	224.7	145.5	56.5	58.2	57.6	52.4	38.2	34.4	35.1	37.8
	N	59.2	53.0	52.4	56.4	12.4	14.2	13.2	12.6	11.6	14.9	14.3	15.6
	A	42.1	42.3	33.0	25.7	10.0	8.5	7.1	7.4	5.7	7.9	5.5	6.6
	P	1171.0	1194.6	1107.0	889.0	269.9	290.8	284.2	262.1	232.2	222.3	209.6	224.9
	O	17.0	17.3	17.1	16.1	5.0	5.7	2.9	3.5	3.7	6.0	2.5	3.9
CARPET FACE YARNS	R	+	+	0.3	0.3	+	+	0.2	0.1	+	0.2	0.1	+
	N	828.0	631.5	617.4	594.4	185.7	192.7	136.3	102.7	125.1	150.1	165.5	153.7
	A	48.1	Included in All Other										
	P	192.4	119.9	124.0	114.7	27.0	37.6	29.2	30.2	24.6	32.0	27.6	30.5
	O	64.7	61.6	67.5	76.8	16.1	17.7	17.3	16.4	17.0	21.5	19.6	18.7
FIBERFILL[d]	P	239.6	205.1	226.7	228.4	57.1	54.0	59.0	56.6	49.0	53.4	60.8	65.2
FLOCK	NP	10.7	10.8	13.0	10.2	3.8	4.2	2.7	2.3	2.1	2.8	2.6	2.7
	R	5.1	5.1	5.6	3.1	0.8	1.3	2.3	1.2	0.7	0.9	0.8	0.7
NONWOVENS[e][f]	R	160.3	147.3	124.6	110.9	32.6	34.9	29.3	27.8	32.0	25.3	27.0	26.6
	N	3.8	3.2	3.5	3.8	1.1	1.0	0.8	0.6	1.1	0.8	1.1	0.8
	P	153.6	166.6	149.3	155.2	36.1	37.8	35.8	39.6	35.0	38.8	42.8	38.6
	VINYON+O	36.7	34.6	42.7	39.0	9.6	11.3	11.1	10.7	7.4	10.2	12.5	8.9
ALL OTHER	R	30.9	26.2	29.1	24.6	7.1	6.5	8.4	7.1	4.5	6.8	6.7	6.6
	N	10.8	12.2	10.3	7.7	2.3	3.8	2.2	2.0	1.8	2.1	2.1	1.7
	A	8.2	39.7	41.1	29.0	10.6	11.2	10.7	8.6	8.3	7.3	7.4	6.0
	P	49.3	42.6	60.6	57.8	16.4	16.8	12.7	14.7	18.0	18.1	7.6	14.1
	VINYON+O	0.9	1.5	4.7	7.0	1.2	0.8	0.9	1.8	1.2	2.2	1.8	1.8
TOTAL DOMESTIC ABOVE	R	442.4	390.7	396.9	293.7	100.2	104.5	100.7	91.5	77.6	69.8	72.1	74.2
	N	913.2	711.2	696.4	673.3	204.8	215.9	155.4	120.3	141.9	170.8	185.8	174.8
	A	546.6	585.3	494.1	457.9	130.2	137.0	123.5	103.4	108.1	127.9	113.6	108.3
	P	2134.4	2071.0	2005.4	1767.5	493.2	525.9	507.5	478.8	437.3	445.3	428.9	456.0
	VINYON+O	119.3	115.0	132.0	138.9	31.9	35.5	32.2	32.4	29.3	39.9	36.4	33.3
TOTAL DOMESTIC ABOVE		**4155.9**	**3873.2**	**3724.8**	**3331.3**	**960.3**	**1018.8**	**919.3**	**826.4**	**794.2**	**853.7**	**836.8**	**846.6**
ALSO DIVIDED AS													
APPAREL		1548.6	1632.9	1487.5	1328.8	366.0	397.9	386.8	336.8	328.5	344.0	323.4	332.9
HOME FURNISHINGS		1759.1	1478.0	1442.9	1262.2	394.7	415.9	334.0	298.3	287.0	322.9	328.0	324.3
INDUSTRIAL		848.2	762.3	794.4	740.3	199.6	205.0	198.5	191.3	178.7	186.8	185.4	189.4

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

NEW BOOK

PRODUCTION AND APPLICATIONS OF POLYPROPYLENE TEXTILES

O. Pajgrt, B. Reichstadter and F. Sevcik. Elsevier Science Publishers. P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Distributor in the U.S.A. and Canada: Elsevier Science Publishing Co., Inc. 52 Vanderbilt Ave., New York, NY 10017. 388 pages. 1983. U.S. $95.75 (in U.S.A. & Canada), Dfl. 225.00 (rest of world).

Research for this book, Volume 6 in Elsevier's Textile Science and Technology series, was conducted at the Wool Research Institute in Brno, Czechoslovakia. It provides a complete, comprehensive survey of the properties, processing and use of polypropylene fibers, together with detailed descriptions of several testing methods and examples of the use of these fibers. The properties and forms of polypropylene fibers were considered, leading to a detailed description of how to utilize the fibers, not only by themselves but also in blends with others.

The processing of polypropylene staple fibers in spinning and weaving is discussed as well as the processing and use of polypropylene filament yarns. Considerable attention is also given to polypropylene tapes. Chapters written from a practical viewpoint are those dealing with the use of these fibers in nonwoven

(Continued on page 47)

TL (1)

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982												1983
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
CELLULOSIC FIBERS														
YARN - SINGLES														
TEXTURED	310.0106 & .0206	5	0	28	35	6	27	0	0	52	90	130	188	129
OTHER	310.0130 & .0230[a]	856	586	474	981	573	505	465	668	381	399	382	167	355
MONOFILAMENTS	309.0310 & .0610	0	2	0	0	0	--	0	0	0	--	0	0	0
STRIPS, $1/LB & UNDER	309.2000 *	0	0	0	0	0	2	4	0	0	21	0	0	0
SUBTOTAL ABOVE		**861**	**588**	**502**	**1016**	**579**	**534**	**469**	**668**	**433**	**510**	**512**	**355**	**484**
STAPLE	309.4320 & .4325	1510	409	1623	853	1219	240	1447	1287	1009	689	1090	563	553
GROUPED FILAMENTS	309.3010 & .3110	176	--	168	97	191	86	150	169	56	95	192	89	30
SUBTOTAL ABOVE		**1686**	**409**	**1791**	**950**	**1410**	**326**	**1597**	**1456**	**1065**	**784**	**1282**	**652**	**583**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	0	0	64	0	197	0	38	0	60	0	35	1	41
NONCELLULOSIC FIBERS														
YARN - SINGLES														
TEXTURED - NYLON	310.0109 & .0209	423	174	125	210	516	341	454	272	335	462	816	616	284
- POLYESTER	310.0110 & .0210	231	43	7	3	33	1	55	6	37	3	16	75	79
- OTHER	310.0114 & .0214	32	26	69	361	268	330	289	455	495	585	866	564	853
OTHER - NYLON	310.0149 & .0249	111	211	278	99	191	309	453	1068	711	891	477	734	305
- POLYESTER	310.0150 & .0250	551	691	368	441	403	296	199	427	627	416	480	364	962
- OTHER	310.0170 & .0270[b]	164	81	140	162	147	309	122	226	136	105	9	38	158
MONOFILAMENTS	309.0200 & .0330[c]	140	139	157	145	89	195	128	88	149	93	112	62	155
STRIPS, OVER $1/LB	309.2100 & .2500 *	31	13	36	21	15	21	50	18	51	17	23	10	52
SUBTOTAL ABOVE		**1683**	**1378**	**1180**	**1442**	**1662**	**1802**	**1750**	**2560**	**2541**	**2572**	**2799**	**2463**	**2848**
STAPLE - NYLON	309.4338	392	209	400	316	84	276	1432	2030	1602	1583	1060	2119	1176
- POLYESTER	309.4342	487	517	933	577	494	567	926	339	566	515	303	1033	1522
- ACRYLIC	309.4345	526	474	962	607	369	324	575	347	854	886	1292	635	643
- OLEFIN	309.4346	1	30	1	33	30	27	7	32	220	85	115	46	106
- OTHER	309.4355	899	292	581	653	1011	2145	725	1891	1011	549	727	369	796
GROUPED FILAMENTS														
NYLON	309.3030 & .3130	460	530	345	565	884	266	362	784	560	583	1274	1007	1052
POLYESTER	309.3040 & .3140	0	0	17	1	--	--	0	8	2	0	19	9	--
ACRYLIC	309.3050 & .3150	297	376	553	246	468	538	340	262	346	192	425	395	324
OTHER	309.3065 & .3165	196	53	34	38	144	31	97	65	21	3	199	1	16
SUBTOTAL ABOVE		**3258**	**2481**	**3826**	**3036**	**3484**	**4174**	**4464**	**5758**	**5182**	**4396**	**5414**	**5614**	**5635**
WASTE, NOT ADVANCED - NYLON	309.6625	1882	1647	1838	2315	2285	2581	1175	2033	2135	1240	1427	1632	1197
- POLYESTER	309.6630	1398	775	1580	608	581	502	302	1748	1024	681	1453	535	572
- ACRYLIC	309.6645	0	184	9	59	294	195	86	0	67	33	5	0	45
- OTHER	309.6660	433	229	247	256	480	174	290	17	160	108	46	90	266
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	20	0	0	0	0	1	0	0	--	3	31	0
OTHER WASTE, ADVANCED	309.7525 - .7555	50	17	26	9	16	1	49	70	160	163	184	106	280
SUBTOTAL ABOVE		**3763**	**2872**	**3700**	**3247**	**3656**	**3453**	**1903**	**3868**	**3546**	**2225**	**3118**	**2394**	**2360**
TOTAL MAN-MADE ABOVE		**11251**	**7728**	**11063**	**9691**	**10988**	**10289**	**10221**	**14310**	**12827**	**10487**	**13160**	**11479**	**11951**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD														
YARN - PLIED														
TEXTURED - CELLULOSIC	310.1106	0	0	--	0	1	0	1	0	0	0	0	0	0
- NONCELLULOSIC	310.1015[d] & .1109[e]	407	110	333	266	421	352	271	548	528	436	829	814	590
OTHER - CELLULOSIC	310.1030 & .1135[f]	--	6	67	0	16	28	19	0	--	--	3	7	41
- NONCELLULOSIC	310.1050 & .1070[g]	200	18	13	54	29	121	31	28	75	65	221	124	221
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	28	0	18	20	32	7	43	42	25	32	33	45	49
- OTHER	310.4015 & .4027[i]	1570	1253	1374	1784	2288	1940	1674	2419	2175	1986	1842	1751	2220
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	205	89	190	229	367	393	246	306	278	226	327	251	375
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	166	203	188	226	192	234	113	172	144	227	236	176	229
SLIVER, TOPS & ROVING	309.9000	434	309	201	115	79	133	338	186	410	63	192	166	352
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1737	1092	1011	736	1033	1358	1281	1236	1227	1309	815	1265	1145
GRAND TOTAL ABOVE		**15998**	**10808**	**14458**	**13121**	**15446**	**14855**	**14238**	**19247**	**17689**	**14831**	**17658**	**16078**	**17173**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

T2(3)

SELECTED U.S. MONTHLY TEXTILE FIBER DATA MILLION POUNDS

	1982 REVISED												YEAR TO DATE[a]	
ITEM	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1982**	**1981**
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**19.1**	**16.9**	**17.7**	**19.4**	**16.5**	**17.4**	**12.2**	**17.3**	**18.5**	**15.6**	**14.8**	**13.4**	**198.8**	**261.1**
NYLON[e] · INDUSTRIAL[f]	26.2	29.2	31.5	30.8	26.7	28.3	23.5	21.9	24.3	25.5	31.1	25.5	324.5	402.9
· LOW DENIER INDUSTRIAL[g]	2.6	2.3	2.6	2.5	2.2	2.7	1.9	2.5	2.6	2.5	2.5	2.6	29.5	35.1
· CARPET	40.3	43.3	46.0	46.1	51.2	48.3	42.6	60.2	58.4	48.6	50.3	46.8	582.1	677.0
· TEXTILE	27.9	27.0	29.5	28.4	26.6	26.5	21.4	29.3	30.1	28.7	29.8	26.4	331.6	418.0
POLYESTER · INDUSTRIAL[f]	22.6	24.4	27.8	26.3	22.9	27.4	21.8	23.8	22.1	23.2	22.0	23.7	288.0	307.1
· LOW DENIER INDUSTRIAL[g]	1.9	1.8	1.9	1.9	1.9	2.1	1.5	2.1	1.6	1.7	2.1	1.9	22.4	27.6
· TEXTILE	75.4	87.8	88.5	88.2	79.3	78.3	61.2	73.6	78.5	70.6	77.7	68.0	927.1	1229.3
OLEFIN[h]	50.1	50.4	51.0	49.3	48.9	50.1	49.5	50.2	47.9	46.9	47.3	50.7	592.3	648.1
TOTAL NONCELLULOSIC ABOVE[i]	**247.0**	**266.2**	**278.8**	**273.5**	**259.7**	**263.7**	**223.4**	**263.6**	**265.5**	**247.7**	**262.8**	**245.6**	**3097.5**	**3745.1**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**30.3**	**28.9**	**31.8**	**29.0**	**27.7**	**29.9**	**25.2**	**28.9**	**33.3**	**32.8**	**31.9**	**30.5**	**360.2**	**456.7**
NYLON[e]	48.0	48.3	49.7	55.9	61.0	58.1	51.4	68.3	69.2	61.2	62.3	56.5	689.9	721.5
ACRYLIC+MODACRYLIC	45.8	47.7	61.0	52.7	57.5	59.2	47.6	58.5	50.2	50.7	53.3	48.0	632.2	694.5
POLYESTER	173.3	176.4	174.0	161.7	156.6	155.3	129.3	163.0	162.4	163.8	171.1	154.7	1941.6	2598.8
OLEFIN+VINYON	8.3	10.2	11.4	10.8	14.9	14.8	11.6	12.5	13.9	12.4	12.2	10.8	143.8	133.5
TOTAL NONCELLULOSIC ABOVE	**275.4**	**282.6**	**296.1**	**281.1**	**290.0**	**287.4**	**239.9**	**302.3**	**295.7**	**288.1**	**298.9**	**270.0**	**3407.5**	**4148.3**
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
ACETATE	**12.4**	**11.7**	**13.5**	**11.0**	**11.9**	**13.2**	**12.3**	**11.7**	**11.3**	**11.4**	**11.3**	**10.7**	**10.7**	**14.3**
NYLON[e] · INDUSTRIAL[f]	41.7	37.6	33.1	30.4	31.7	33.3	36.5	37.5	37.0	33.8	26.8	27.0	27.0	36.4
· LOW DENIER INDUSTRIAL[g]	4.5	4.5	4.1	4.6	4.6	4.5	4.6	4.2	4.0	3.8	3.3	3.2	3.2	4.3
· CARPET	62.3	58.0	55.5	53.9	49.5	51.4	59.6	48.2	46.4	57.1	54.7	54.8	54.8	64.1
· TEXTILE	50.9	52.9	51.1	48.6	45.9	43.3	43.4	40.5	38.5	39.2	38.6	41.2	41.2	47.5
POLYESTER · INDUSTRIAL[f]	23.7	25.1	25.2	24.6	27.1	27.8	28.1	28.6	28.1	26.5	26.2	27.2	27.2	23.5
· LOW DENIER INDUSTRIAL[g]	4.0	3.4	3.8	3.7	3.6	2.7	2.5	2.6	2.6	2.3	2.2	3.0	3.0	3.6
· TEXTILE	93.4	89.9	93.4	91.9	87.1	81.7	83.8	79.5	75.8	77.9	66.1	68.8	68.8	95.9
OLEFIN[h]	64.3	64.0	64.5	63.6	63.3	63.1	61.5	60.2	58.1	57.6	56.0	54.6	54.6	61.7
TOTAL NONCELLULOSIC ABOVE[i]	**344.8**	**335.4**	**330.7**	**321.3**	**312.8**	**307.8**	**320.0**	**301.3**	**290.5**	**298.2**	**273.9**	**279.8**	**279.8**	**337.0**
STAPLE+TOW+FIBERFILL														
RAYON	**32.6**	**35.6**	**36.3**	**35.1**	**36.2**	**36.4**	**37.8**	**38.9**	**36.8**	**33.7**	**28.0**	**25.9**	**25.9**	**31.1**
NYLON[e]	63.9	58.7	59.3	53.4	48.9	53.6	64.1	55.1	55.8	60.3	59.4	59.9	59.9	64.8
ACRYLIC+MODACRYLIC	68.6	65.2	60.2	67.7	63.7	61.9	66.0	61.3	64.1	70.8	63.9	57.0	57.0	65.1
POLYESTER	180.4	191.9	189.2	186.6	185.8	175.2	181.7	162.4	167.9	174.3	173.4	187.8	187.8	174.2
OLEFIN+VINYON	30.0	31.3	31.6	29.3	24.7	21.9	21.6	21.7	21.5	20.3	20.9	20.1	20.1	25.7
TOTAL NONCELLULOSIC ABOVE	**342.9**	**347.1**	**340.3**	**337.0**	**323.1**	**312.6**	**333.4**	**300.5**	**309.3**	**325.7**	**317.6**	**324.8**	**324.8**	**329.8**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	11.9	10.9	13.3	10.8	10.3	9.4	7.2	9.3	9.2	8.5	9.4	9.5	119.7	142.2
CARPET CLASS WOOL	0.7	0.9	1.0	0.8	1.0	0.6	0.6	1.0	1.1	0.7	0.9	0.5	9.8	10.7
TOTAL RAW WOOL	12.6	11.8	14.3	11.6	11.3	10.0	7.8	10.3	10.3	9.2	10.3	10.0	129.5	152.9
RAW COTTON	207.2	198.6	228.7	217.3	217.2	200.1	166.8	195.5	229.9	219.1	215.1	183.4	2487.9	2703.8

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of this issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 for annual data on these yarns herewith.

j. Acetate staple+tow data are available annually only; see page 37 of this issue.

(Continued from page 45)

fabrics, household textiles and technical textile articles. In addition, the book covers manufacturing apparel from woven and knitted fabrics containing polypropylene fibers, as well as the renovation of textile products. With 141 illustrations, 105 tables, bibliographies and an index, this extremely detailed view of polypropylene textiles should be a valuable addition to any textile library.

TL <3>

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983 JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE[a] 1983	1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**	**15.7**					**30.8**	**36.0**
NYLON[e] · INDUSTRIAL[f]	20.8	23.5					44.3	55.4
· LOW DENIER INDUSTRIAL[g]	2.5	2.4					4.9	4.9
· CARPET	45.4	48.4					93.8	83.6
· TEXTILE	27.8	30.4					58.2	54.9
POLYESTER · INDUSTRIAL[f]	24.0	23.6					47.6	47.0
· LOW DENIER INDUSTRIAL[g]	1.9	1.7					3.6	3.7
· TEXTILE	73.9	82.8					156.7	163.2
OLEFIN[h]	39.9	42.2					82.1	100.5
TOTAL NONCELLULOSIC ABOVE[i]	**236.2**	**255.0**					**491.2**	**513.2**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**	**26.6**					**56.1**	**59.2**
NYLON[e]	65.9	63.5					129.4	96.3
ACRYLIC+MODACRYLIC	49.3	52.2					101.5	93.5
POLYESTER	154.2	172.1					326.3	349.7
OLEFIN+VINYON	11.4	13.4					24.8	18.5
TOTAL NONCELLULOSIC ABOVE	**280.8**	**301.2**					**582.0**	**558.0**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**	**10.0**					**10.0**	**11.7**
NYLON[e] · INDUSTRIAL[f]	26.4	24.1					24.1	37.6
· LOW DENIER INDUSTRIAL[g]	3.4	3.7					3.7	4.5
· CARPET	54.2	53.6					53.6	58.0
· TEXTILE	40.5	39.2					39.2	52.9
POLYESTER · INDUSTRIAL[f]	27.2	27.8					27.8	25.1
· LOW DENIER INDUSTRIAL[g]	3.5	3.6					3.6	3.4
· TEXTILE	66.8	69.2					69.2	89.9
OLEFIN[h]	56.5	56.3					56.3	64.0
TOTAL NONCELLULOSIC ABOVE[i]	**278.5**	**277.5**					**277.5**	**335.4**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**31.2**					**31.2**	**35.6**
NYLON[e]	52.0	54.9					54.9	58.7
ACRYLIC+MODACRYLIC	60.2	61.4					61.4	65.2
POLYESTER	178.4	174.2					174.2	191.9
OLEFIN+VINYON	19.2	17.8					17.8	31.3
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**					**308.3**	**347.1**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	10.3						10.3	11.9
CARPET CLASS WOOL	0.9						0.9	0.7
TOTAL RAW WOOL	11.2						11.2	12.6
RAW COTTON	203.0	217.6					420.6	405.8

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of this issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of this issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of this issue.

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Textile Organon

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MONTHLY REVIEW

Highlights

Shipments of Polyester Staple+Tow Totaled 191.4 Million Pounds in March ... see page 64.

General Imports of Man-Made Fiber Apparel From China Rose Over 102% in 1982 ... see page 51.

1982 U.S. Exports of Noncellulosic Textile Yarn to Asia & Oceania Fell to 126.4 Million Pounds ... see page 55.

***Textile Organon** Feature*

1982 Import-Export Review ... begins page 50.

Polyester staple+tow shipments rose in March to the highest level since December of 1981 and shipments of acrylic+modacrylic staple+tow rose to the highest level in a year.

Shipments of olefin+vinyon staple+tow rose for the third consecutive month and shipments of nylon staple+tow rose to the highest level in nearly a year.

Nylon yarn shipments to the carpet trades rose for the second straight month and shipments of nylon textile yarn rose to the highest point since September of 1981.

Polyester textile yarn shipments rose to the highest level since November of 1981 and shipments of polyester industrial yarn rose to the highest level since June of last year, while shipments of olefin yarn+monofilaments rose for the third consecutive month.

ITEM	1983		%a	1982	%b	YEAR TO DATE		%c
	MAR	FEB		MAR		1983	1982	
	TOTAL SHIPMENTS **MILLION POUNDS &** *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**20.4**	**15.7**	*+29.9*	**17.7**	*+15.3*	**51.2**	**53.7**	*-4.7*
NYLON INDUSTRIAL	25.7	23.5	*+9.4*	31.5	*-18.4*	70.0	86.9	*-19.4*
LOW DENIER INDUSTRIAL	2.9	2.4	*+20.8*	2.6	*+11.5*	7.8	7.5	*+4.0*
CARPET	56.3	48.4	*+16.3*	46.0	*+22.4*	150.1	129.6	*+15.8*
TEXTILE	34.3	30.4	*+12.8*	29.5	*+16.3*	92.5	84.4	*+9.6*
POLYESTER INDUSTRIAL	25.4	23.6	*+7.6*	27.8	*-8.6*	73.0	74.8	*-2.4*
LOW DENIER INDUSTRIAL	2.0	1.7	*+17.6*	1.9	*+5.3*	5.6	5.6	--
TEXTILE	90.6	82.8	*+9.4*	88.5	*+2.4*	247.3	251.7	*-1.7*
OLEFIN	48.7	43.7	*+11.4*	51.0	*-4.5*	132.3	151.5	*-12.7*
TOTAL NONCELLULOSIC ABOVE	**285.9**	**256.5**	*+11.5*	**278.8**	*+2.5*	**778.6**	**792.0**	*-1.7*
STAPLE+TOW+FIBERFILL								
RAYON	**30.9**	**26.6**	*+16.2*	**31.8**	*-2.8*	**87.0**	**91.0**	*-4.4*
NYLON	71.0	63.5	*+11.8*	49.7	*+42.9*	199.3	146.0	*+36.5*
ACRYLIC+MODACRYLIC	59.9	52.2	*+14.8*	61.0	*-1.8*	161.4	154.5	*+4.5*
POLYESTER	191.4	172.1	*+11.2*	174.0	*+10.0*	517.7	523.7	*-1.1*
OLEFIN+VINYON	14.7	14.3	*+2.8*	11.4	*+28.9*	40.4	29.9	*+35.1*
TOTAL NONCELLULOSIC ABOVE	**337.0**	**302.1**	*+11.6*	**296.1**	*+13.8*	**918.8**	**854.1**	*+7.6*

– means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

Also see footnotes on last page of this issue.

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Textile Organon

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1982 Import-Export Review

In 1982, U.S. imports of man-made fiber apparel rose by 9% to 2,099 million equivalent square yards. Imports from Africa, Asia & Oceania - accounting for over 90% of the total - rose by 11%, an increase of nearly 40% since 1977.

Imports from Taiwan totaled 660 million equivalent square yards, nearly a 13% increase over 1981 and an increase of 34% since 1977. However, imports from the Republic of Korea fell 3% in 1982 to 522 million square yards.

1982 imports of man-made fiber apparel from the People's Republic of China totaled 192 million equivalent square yards, an increase of 102% above 1981 and 3,740% above the 1977 level. On a year-to-year basis from 1977-1981, these imports from the People's Republic of China rose 160% between 1977 and 1978, nearly 185% between 1978 and 1979, 27% between 1979 and 1980 and over 102% between 1980 and 1981.

U.S. exports of noncellulosic textile yarn fell to 265.0 million pounds in 1982, a decline of almost 92 million pounds from the 1981 level. Exports to Asia & Oceania fell by over 110 million pounds to 126.4 million pounds.

Also in 1982, exports of noncellulosic staple+tow fell by nearly 380 million pounds to 411.0 million pounds. Exports to Asia & Oceania fell by over 351 million pounds to 207.4 million pounds.

The following feature (pages 51-58) provides 1982 imports and exports of man-made fibers, man-made fiber apparel and other man-made fiber manufactures. For several tables, dollar equivalent values are provided. Please note that the table opposite now provides a percent-change analysis to better depict particular import trends.

U.S. GENERAL IMPORTS OF MAN-MADE FIBER APPAREL

MILLIONS OF EQUIVALENT SQUARE YARDS & *Percent*

COUNTRY	1977	%^{c}	1978	%^{a}	%^{b}	%^{c}	1979	%^{a}	%^{b}	%^{c}	1980	%^{a}	%^{b}	%^{c}	1981	%^{a}	%^{b}	%^{c}	1982	%^{a}	%^{b}	%^{c}
CHINA, PEOPLE'S REPUBLIC OF	5	0.3	13	+160.0	+160.0	0.7	37	+184.6	+640.0	2.3	47	+27.0	+840.0	2.6	95	+102.1	+1800.0	4.9	192	+102.1	+3740.0	9.1
HONG KONG	191	11.9	250	+30.9	+30.9	13.3	210	-16.0	+9.9	12.7	207	-1.4	+8.4	11.6	228	+10.1	+19.4	11.8	240	+5.3	+25.7	11.4
INDIA	1	0.1	3	+200.0	+200.0	0.2	4	+33.3	+300.0	0.2	3	-25.0	+200.0	0.2	4	+33.3	+300.0	0.2	4	..	+300.0	0.2
INDONESIA	1	0.1	1	..	..	0.1	2	+50.0	+100.0	0.1	2	..	+100.0	0.1	2	..	+100.0	0.1	7	+250.0	+600.0	0.4
ISRAEL	11	0.7	15	+36.4	+36.4	0.8	10	-33.3	-9.1	0.6	9	-10.0	-18.2	0.5	5	-44.4	-54.5	0.3	4	-20.0	-63.6	0.2
JAPAN	114	7.1	110	-3.5	-3.5	5.9	52	-52.7	-54.4	3.1	44	-15.4	-61.4	2.5	35	-20.5	-69.3	1.8	26	-25.7	-77.2	1.2
KOREA, REPUBLIC OF	399	24.8	418	+4.8	+4.8	22.4	377	-9.8	-5.5	22.8	449	+19.1	+12.5	25.0	540	+20.3	+35.3	28.1	522	-3.3	+30.8	24.9
MACAO	10	0.6	20	+100.0	+100.0	1.0	25	+25.0	+150.0	1.5	17	-32.0	+70.0	1.0	22	+29.4	+120.0	1.1	21	-4.5	+110.0	1.0
MALAYSIA	1	0.1	3	+200.0	+200.0	0.2	3	..	+200.0	0.2	3	..	+200.0	0.2	5	+66.7	+400.0	0.3	7	+40.0	+600.0	0.4
PHILIPPINES	98	6.1	116	+18.4	+18.4	6.2	112	-3.4	+14.3	6.8	103	-8.0	+5.1	5.8	105	+1.9	+7.1	5.4	108	+2.9	+10.2	5.1
SINGAPORE	28	1.7	56	+100.0	+100.0	3.0	49	-12.5	+75.0	3.0	39	-20.4	+39.3	2.2	42	+7.7	+50.0	2.2	48	+14.3	+71.4	2.3
SRI LANKA	+	..	3	+100.0	+100.0	0.2	6	+100.0	+100.0	0.3	7	+16.7	+100.0	0.4	9	+28.6	+100.0	0.5	20	+122.2	+100.0	0.9
TAIWAN	492	30.5	549	+11.6	+11.6	29.4	480	-12.6	-2.4	29.0	596	+24.2	+21.1	33.3	586	-1.7	+19.1	30.5	660	+12.6	+34.1	31.4
THAILAND	15	0.9	34	+126.7	+126.7	1.8	29	-14.7	+93.3	1.8	22	-24.1	+46.7	1.2	25	+13.6	+66.7	1.3	37	+48.0	+146.7	1.8
OTHER A., A. & O.	1	0.1	1	..	..	0.1	1	..	..	0.1	1	..	..	0.1	2	+100.0	+100.0	0.1	2	..	+100.0	0.1
TOTAL A., A. & O.	**1367**	85.0	**1592**	+16.5	+16.5	85.3	**1397**	-12.2	+2.2	84.5	**1549**	+10.9	+13.3	86.7	**1705**	+10.1	+24.7	88.6	**1898**	+11.3	+38.8	90.4
BARBADOS	5	0.3	6	+20.0	+20.0	0.3	5	-16.7	..	0.3	6	+20.0	+20.0	0.3	6	..	+20.0	0.3	6	..	+20.0	0.3
BELIZE	8	0.5	4	-50.0	-50.0	0.2	3	-25.0	-62.5	0.2	5	+66.7	-37.5	0.3	2	-60.0	-75.0	0.1	2	..	-75.0	0.1
CANADA	2	0.1	2	..	..	0.1	2	..	..	0.1	2	..	..	0.1	2	..	..	0.1	3	+50.0	+50.0	0.2
COLOMBIA	6	0.4	7	+16.7	+16.7	0.4	7	..	+16.7	0.4	5	-28.6	-16.7	0.3	5	..	-16.7	0.3	5	..	-16.7	0.2
COSTA RICA	10	0.6	12	+20.0	+20.0	0.6	16	+33.3	+60.0	1.0	17	+6.3	+70.0	1.0	18	+5.9	+80.0	0.9	19	+5.5	+90.0	0.9
DOMINICAN REPUBLIC	13	0.8	26	+100.0	+100.0	1.4	32	+23.1	+146.2	1.9	34	+6.3	+161.5	1.9	33	-2.9	+153.8	1.7	38	+15.2	+192.3	1.8
EL SALVADOR	11	0.7	12	+9.1	+9.1	0.6	11	-8.3	..	0.7	3	-72.7	-72.7	0.2	2	-33.3	-81.8	0.1	1	-50.0	-90.9	0.1
GUYANA	2	0.1	2	..	..	0.1	2	..	..	0.1	3	+50.0	+50.0	0.2	3	..	+50.0	0.2	3	..	+50.0	0.2
HAITI	34	2.1	45	+32.4	+32.4	2.4	47	+4.4	+38.2	2.8	49	+4.3	+44.1	2.7	39	-20.4	+14.7	2.0	33	-15.4	-2.9	1.5
HONDURAS	2	0.1	2	..	..	0.1	3	+50.0	+50.0	0.2	4	+33.3	+100.0	0.2	5	+25.0	+150.0	0.2	5	..	+150.0	0.2
JAMAICA	3	0.2	2	-33.3	-33.3	0.1	3	+50.0	..	0.2	4	+33.3	+33.3	0.2	4	..	+33.3	0.2	2	-50.0	-33.3	0.1
LEEWARD & WINDWARD IS.	+	..	+	..	..	..	3	+100.0	+100.0	0.2	4	+33.3	+100.0	0.2	7	+75.0	+100.0	0.4	8	+14.3	+100.0	0.4
MEXICO	72	4.5	79	+9.7	+9.7	4.3	69	-12.7	-4.2	4.2	72	+4.3	..	4.0	64	-11.1	-11.1	3.3	42	-34.4	-41.7	1.9
NICARAGUA	1	0.1	3	+200.0	+200.0	0.2	1	-66.7	..	0.1	1	..	..	0.1	+	-100.0	-100.0	..	+	..	-100.0	..
OTHER AMERICAS	5	0.3	3	-40.0	-40.0	0.2	2	-33.3	-60.0	0.1	3	+50.0	-40.0	0.2	2	-33.3	-60.0	0.2	3	+50.0	-40.0	0.2
TOTAL AMERICAS	**174**	10.8	**205**	+17.8	+17.8	11.0	**206**	+0.5	+18.4	12.5	**212**	+2.9	+21.8	11.9	**192**	-9.4	+10.3	10.0	**170**	-11.5	-2.3	8.1
FRANCE	4	0.3	5	+25.0	+25.0	0.3	4	-20.0	..	0.2	2	-50.0	-50.0	0.1	2	..	-50.0	0.1	2	..	-50.0	0.1
GERMANY, FED. REP. OF	2	0.1	1	-50.0	-50.0	0.1	1	..	-50.0	0.1	+	-100.0	-100.0	..	+	..	-100.0	..	1	+100.0	-50.0	0.1
ITALY	26	1.6	26	..	..	1.3	15	-42.3	-42.3	0.9	9	-40.0	-65.4	0.4	7	-22.2	-73.1	0.3	6	-14.3	-76.9	0.3
POLAND	14	0.9	14	..	..	0.7	9	-35.7	-35.7	0.5	5	-44.4	-64.3	0.2	4	-20.0	-71.4	0.2	3	-25.0	-78.6	0.1
PORTUGAL	1	0.1	1	..	..	0.1	1	..	..	0.1	1	..	..	0.1	1	..	..	0.1	1	..	..	0.1
ROMANIA	12	0.7	13	+8.3	+8.3	0.6	10	-23.1	-16.7	0.6	6	-40.0	-50.0	0.3	10	+66.7	-16.7	0.4	15	+50.0	+25.0	0.5
SPAIN	3	0.2	3	..	..	0.2	2	-33.3	-33.3	0.1	1	-50.0	-66.7	0.1	1	..	-66.7	0.1	1	..	-66.7	0.1
UNITED KINGDOM	2	0.1	3	+50.0	+50.0	0.2	3	..	+50.0	0.2	1	-33.3	-50.0	0.1	1	..	-50.0	0.1	1	..	-50.0	0.1
YUGOSLAVIA	1	0.1	1	..	..	0.1	2	+100.0	+100.0	0.1	+	-100.0	-100.0	..	+	..	-100.0	..	+	..	-100.0	..
OTHER EUROPE	2	0.1	2	..	..	0.1	3	+50.0	+50.0	0.2	1	-66.7	-50.0	0.1	1	..	-50.0	0.1	1	..	-50.0	0.1
TOTAL EUROPE	**67**	4.2	**69**	+3.0	+3.0	3.7	**50**	-27.5	-25.4	3.0	**26**	-48.0	-61.2	1.4	**27**	+3.8	-59.7	1.4	**31**	+14.8	-53.7	1.5
GRAND TOTAL	**1608**	100.0	**1866**	+16.0	+16.0	100.0	**1653**	-11.4	+2.8	100.0	**1787**	+8.1	+11.1	100.0	**1924**	+7.7	+19.7	100.0	**2099**	+9.1	+30.5	100.0

+ Means nominal poundage. – Means nominal percentage. a. Percent change from previous year. b. Percent change from 1977. c. Percent of total apparel imports.

SELECTED U.S. MAN-MADE FIBER IMPORTS BY COUNTRY OF ORIGIN[a]

THOUSAND POUNDS

COUNTRY	A. NONCELLULOSIC YARN - SINGLES						B. NONCELLULOSIC STAPLE+TOW								C. SPUN YARNS				D. WASTE				E. TEXTILE GLASS	
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		CELL.		NONCELL.		CELL.		NONCELL.			
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
ARGENTINA	+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	329	0	0
BRAZIL	0	0	0	+	0	+	0	0	1	0	0	0	18	0	0	0	21	446	0	0	0	125	0	0
CANADA	1489	1009	496	303	428	3988	3058	354	1051	3378	85	37	2455	1681	1	3	3104	2182	24	0	16244	7421	294	104
COSTA RICA	0	0	60	185	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	0	40	0	0
MEXICO	39	739	135	0	89	101	432	50	3396	1353	0	2077	0	0	0	0	867	956	0	0	11792	10126	0	8
OTHER AMERICAS	0	0	0	4[b]	0	0	0	0	0	0	0	0	0	0	0	0	3[c]	47[d]	0	0	39[e]	0	0	0
TOTAL AMERICAS	**1528**	**1748**	**691**	**492**	**517**	**4089**	**3490**	**404**	**4488**	**4731**	**85**	**2114**	**2473**	**1681**	**1**	**3**	**3995**	**3631**	**24**	**0**	**28116**	**18041**	**294**	**112**
AUSTRIA	21	2	0	0	116	15	0	41	+	0	0	0	44	23	0	0	0	81	0	0	0	0	0	0
BELGIUM/LUX	1	606	5	2	127	25	837	110	+	0	+	18	35	33	0	0	14	0	0	0	1306	1002	0	1
DENMARK	0	0	80	0	0	+	0	2	0	+	0	0	3	53	0	0	0	1	0	0	150	465	0	0
FINLAND	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	119	110	0	0	0	0	0	0
FRANCE	1636	1845	134	9	45	14	3904	7442	405	3	29	18	6	9	+	+	374	872	0	1	1024	125	1467	190
GERMANY, FED. REP. OF	1178	3754	2616	2473	349	613	8539	4687	185	22	7971	3435	1424	635	7	53	47	584	44	0	5925	5944	1073	426
GREECE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218	0	0	0
IRELAND	0	0	34	1	1	+	0	0	0	0	246	521	14	0	0	0	0	0	0	0	0	0	0	0
ITALY	900	267	274	135	50	33	7021	4710	71	117	16	352	225	307	0	1	893	2151	0	0	1378	1292	234	18
NETHERLANDS	47	7	119	13	3	16	289	251	78	169	46	0	33	+	0	0	0	13	0	0	3999	1741	0	0
POLAND	0	15	0	0	0	0	0	15	166	0	0	0	33	6	0	0	0	0	0	0	214	0	0	0
PORTUGAL	0	0	0	0	0	0	13	1	0	0	0	0	3	0	0	0	0	0	0	0	134	165	0	0
ROMANIA	0	0	0	0	0	1	0	0	628	411	56	55	0	0	0	0	1450	2039	0	0	41	295	0	0
SPAIN	0	0	342	0	0	0	+	0	0	0	3	0	0	+	0	0	116	583	0	0	0	30	42	0
SWITZERLAND	126	156	0	33	19	7	51	130	5	+	0	51	13	3	0	0	70	397	0	0	165	140	0	0
UNITED KINGDOM	174	54	1	7	149	291	1363	996	287	32	2204	1198	1221	553	0	0	62	242	452	220	1607	612	2667	2540
OTHER EUROPE	0	1[f]	0	0	0	15[f]	0	21[g]	1[f]	12[h]	0	0	0	8[i]	0	0	0	72[j]	0	0	0	+[f]	3[f]	+[f]
TOTAL EUROPE	**4083**	**6707**	**3605**	**2673**	**859**	**1030**	**22017**	**18406**	**1826**	**766**	**10571**	**5648**	**3055**	**1630**	**7**	**54**	**3145**	**7145**	**496**	**221**	**16161**	**11811**	**5486**	**3175**
AUSTRALIA	0	0	0	0	0	0	0	29	0	0	0	0	0	+	0	0	0	0	0	0	1627	2226	0	0
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174	0	0	0	0
CHINA, PEOPLE'S REP. OF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	108	0	0	687	1660	0	0
EGYPT	0	0	0	0	0	0	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HONG KONG	0	+	0	0	0	0	12	0	0	0	0	0	3	1	0	0	150	353	0	0	1	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	505	370	0	0	0	16	0	0
ISRAEL	+	72	10	0	0	0	0	60	26	0	5	0	0	0	0	0	48	2	0	0	970	863	1	0
JAPAN	2193	1694	1903	2573	637	849	180	223	52	1416	3237	4478	1246	1155	651	263	4372	4423	0	0	947	861	12357	10813
KOREA, REP. OF	0	0	0	0	74	0	30	0	1	31	0	+	1	2	0	0	521	532	0	0	0	201	0	0
MALAYSIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	818	1138	0	0	0	0	0	0
NEW ZEALAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	17	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	+	0	0	0	0	0	2431	1395	0	0	0	82	0	0
SINGAPORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1221	1386	0	0	0	0	0	0
SOUTH AFRICA	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	610	481	0	0	777	1210	0	0
TAIWAN	0	55	+	0	+	0	0	0	258	369	1	49	7104	7893	0	0	411	495	0	0	280	670	74	0
THAILAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	342	597	0	0	0	0	0	0
OTHER AFRICA, ASIA & OCEANIA	0	0	0	36[k]	0	11[l]	0	0	0	0	0	0	0	0	0	0	8[m]	0	0	0	92[n]	87[n]	0	0
TOTAL A, A & O	**2193**	**1821**	**1913**	**2609**	**711**	**860**	**245**	**312**	**670**	**1816**	**3243**	**4527**	**8354**	**9051**	**651**	**268**	**11458**	**11280**	**0**	**174**	**5550**	**7893**	**12432**	**10813**
GRAND TOTAL	**7804**	**10276**	**6209**	**5774**	**2087**	**5979**	**25752**	**19122**	**6984**	**7313**	**13899**	**12289**	**13882**	**12362**	**659**	**325**	**18598**	**22056**	**520**	**395**	**49827**	**37745**	**18212**	**14100**

SOURCE: U.S. Census Bureau IM146.

a. See February *Organon*, page 28, for other 1981 & 1982 U.S. man-made fiber imports by country of origin.

b. Dominican Republic.

c. Guatemala.

d. El Salvador 31 and Guatemala 16.

e. Venezuela.

f. Sweden.

g. German Dem. Rep. 3 and Yugoslavia 18.

h. German Dem. Rep. 11 and Sweden 1.

i. German Dem. Rep. 2 and Iceland 6.

j. Sweden 8 and Turkey 64.

k. Norfolk Island.

l. India.

m. Namibia.

n. Sri Lanka.

A. Nylon 310.0109, .0149, .0209 & 0249; Polyester 310.0110, .0150, .0210 & .0250; Other 310.0114, .0170, .0214, .0270, .0530, .0550, .0630 & .0650.

B. Nylon 309.3030, .3130 & .4338; Polyester 309.3040, .3140 & .4342; Acrylic 309.3050, .3150 & .4345; Other 309.3065, .3165, .4346 & .4355.

C. Cellulosic 310.4005, .4030, .5005 & .5030; Noncellulosic 310.4015, .4027, .4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

D. Cellulosic 309.6615 & .7510; Noncellulosic 309.6000, .6625, .6630, .6645, .6660, .7000, .7525, .7530, .7540 & .7555.

E. 309.2800, .2900, .9800 & .9900.

SELECTED U.S. MAN-MADE FIBER & MANUFACTURES IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

IMPORTS OF MAN-MADE BROAD WOVEN FABRICS

COUNTRY	1978	1979	1980	1981	1982
AUSTRIA	191	178	153	190	112
BELGIUM	1497	813	550	558	605
FRANCE	3364	3067	2565	1631	2202
GERMANY, FEDERAL REP. OF	1751	1465	1309	2264	1518
HUNGARY	5	233	124	28	19
IRELAND	33	14	129	2591	253
ITALY	24936	25615	27379	36656	27524
NETHERLANDS	211	170	127	103	115
POLAND	237	410	120	235	256
PORTUGAL	458	496	137	46	18
ROMANIA	303	241	47	25	45
SPAIN	809	437	156	385	293
SWEDEN	218	379	368	376	159
SWITZERLAND	1083	899	962	650	477
UNITED KINGDOM	2070	1168	587	321	438
YUGOSLAVIA	357	379	363	408	343
OTHER EUROPE	44	79	92	41	19
TOTAL EUROPE ABOVE	**37567**	**36043**	**35168**	**46508**	**34396**
CHINA, PEOPLE'S REP. OF	3	46	238	1309	2408
HONG KONG	250	928	140	102	106
INDIA	640	269	312	117	70
JAPAN	40285	23796	23070	32588	34626
KOREA, REPUBLIC OF	4131	3625	9160	11591	17184
MALAYSIA	101	165	425	541	350
SINGAPORE	119	518	69	348	110
TAIWAN	524	392	783	1641	3135
THAILAND	471	390	72	1471	2018
BRAZIL	602	727	832	1373	1188
CANADA	2015	1423	1824	2099	2156
ALL OTHER	319	423	44	68	165
TOTAL EXCLUDING EUROPE	**49460**	**32702**	**36969**	**53248**	**63516**
GRAND TOTAL	**87027**	**68745**	**72137**	**99756**	**97912**

IMPORTS OF MAN-MADE KNIT FABRIC IN THE PIECE

COUNTRY	1978	1979	1980	1981	1982
FRANCE	159	160	149	145	244
GERMANY, FEDERAL REP. OF	408	522	417	299	356
IRELAND	1199	97	1	..	47
ITALY	397	288	182	138	337
SWEDEN	5	17	47	78	28
UNITED KINGDOM	387	302	94	73	132
OTHER EUROPE	80	90	66	51	49
TOTAL EUROPE ABOVE	**2635**	**1476**	**956**	**784**	**1193**
HONG KONG	85	87	8	1	3
JAPAN	4546	2060	1412	950	899
KOREA, REPUBLIC OF	79	1	2	..	1
TAIWAN	42	17	54	36	31
CANADA	274	53	118	191	89
COSTA RICA	0	0	0	77	0
MEXICO	1	4	38	57	11
ALL OTHER	9	11	8	3	10
TOTAL EXCLUDING EUROPE	**5036**	**2233**	**1640**	**1315**	**1044**
GRAND TOTAL	**7671**	**3709**	**2596**	**2099**	**2237**

NOTE: Imports of man-made fiber apparel by country of origin are shown on page 51.

IMPORTS OF MAN-MADE FIBERS

COUNTRY	1978	1979	1980	1981	1982
AUSTRIA	12918	5623	1438	4951	4975
BELGIUM	1836	507	52	2633	2464
CZECHOSLOVAKIA	325	0	0	0	0
DENMARK	44	2	2	234	522
FINLAND	5286	366	130	119	190
FRANCE	17854	2631	1477	9526	10974
GERMAN DEMOCRATIC REP.	270	0	0	0	103
GERMANY, FEDERAL REP. OF	31599	20315	17649	33850	25751
GREECE	524	90	30	379	0
IRELAND	1057	544	182	430	549
ITALY	17568	5617	2168	11694	9735
MALTA	95	102	105	0	0
NETHERLANDS	12509	2186	2955	8058	2885
POLAND	404	120	65	414	36
PORTUGAL	14	488	168	161	204
ROMANIA	5132	3534	1810	2174	2801
SPAIN	3528	724	240	764	875
SWEDEN	9100	5611	2963	2724	4626
SWITZERLAND	1211	295	438	479	944
UNITED KINGDOM	30390	21156	11886	12392	7874
OTHER EUROPE	0	22	44	22	87
TOTAL EUROPE ABOVE	**151664**	**69933**	**43802**	**91004**	**75595**
AUSTRALIA	10	177	488	1628	2408
BANGLADESH	0	0	0	0	174
CHINA, PEOPLE'S REP. OF	0	0	35	708	1768
EGYPT	0	0	2	333	0
HONG KONG	35	75	15	172	359
INDONESIA	0	129	0	505	386
IRAN	2842	282	0	0	0
ISRAEL	867	1279	1373	1071	1025
JAPAN	66110	34054	27641	31453	31467
KOREA, REPUBLIC OF	1453	1411	767	830	874
MALAYSIA	54	1108	369	818	1138
NEW ZEALAND	0	19	121	169	17
PHILIPPINES	1582	1064	2456	2431	1477
SINGAPORE	1010	648	961	1221	1386
SOUTH AFRICA	3474	1716	1880	1410	1691
TAIWAN	14090	12810	14076	9556	11542
THAILAND	0	125	603	342	675
ARGENTINA	0	58	311	41	329
BRAZIL	1270	380	28	41	775
CANADA	24611	16219	22868	35120	24300
COSTA RICA	164	37	5	106	225
MEXICO	3817	2631	5490	19443	18603
PERU	197	85	0	0	0
VENEZUELA	244	487	1295	40	0
ALL OTHER	17	86	198	112	203
TOTAL OTHER ABOVE	**121847**	**74880**	**80982**	**107550**	**100822**
TOTAL ABOVE	**273511**	**144813**	**124784**	**198554**	**176417**
PRODUCTS NOT DETAILED	11913	12762	7288	10536	8010
GRAND TOTAL	**285424**	**157575**	**132072**	**209090**	**184427**

The three section totals on this page agree with the corresponding data on pages 57 and 58 of this issue.

The by-country data in the "Imports of Man-Made Fiber" table above include singles, monofilaments & strips (see page 28 of the February 1983 and the corresponding pages of earlier February *Organon* issues), plied filament yarn, staple, grouped filaments, waste, spun yarns and textile glass fiber. The "products not detailed" in the above table comprise other yarns - NES, handwork yarns & sewing thread and sliver, tops & roving.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
CANADA	2156	1404	2971	1698	26111	22753	48015	37665	7506	5212	14974	11247	4628	1610	1307	1180	76689	62163	68377	58218
COSTA RICA	15	18	25	39	1900	1268	2814	2091	259	854	753	1964	47	44	37	29	5010	4435	4094	3780
DOMINICAN REP.	27	185	34	175	1373	1771	1855	2243	80	108	146	216	90	59	60	45	370	281	318	279
EL SALVADOR	147	131	220	157	2845	3037	5160	4903	358	903	821	1899	481	128	317	89	9613	6972	7975	6545
GUATEMALA	313	35	500	53	3374	3428	4444	3691	718	568	1094	482	122	38	84	52	5342	6030	4426	4896
HAITI	11	1	8	1	647	797	1030	1120	22	193	33	250	16	2	9	1	15	23	10	22
HONDURAS	36	1	45	1	1131	1040	1669	878	24	39	69	109	1141	0	819	0	674	1744	605	1571
JAMAICA	6	34	6	38	517	181	1123	411	1	6	5	31	0	0	0	0	154	6	160	27
LEEWARD & WINDWARD IS.	0	0	0	0	60	3	118	12	26	3	54	4	40	31	25	24	0	8	0	35
MEXICO	144	7	144	17	2364	2321	4196	4346	2166	1217	5809	3487	8916	10506	6989	7643	9744	6871	9809	6938
NICARAGUA	0	+	0	1	8	4	26	18	3	8	14	21	40	0	47	0	964	440	777	449
PANAMA	10	0	16	0	195	72	324	158	65	41	181	124	20	0	26	0	220	189	368	345
TRINIDAD	0	0	0	0	11	68	22	178	5	9	32	35	4	1	3	1	13	7	40	26
OTHER	0	1	0	5	9	90	30	146	46	45	84	76	36	2	29	3	10	123	67	145
NORTH AMERICA	**2865**	**1817**	**3969**	**2185**	**40545**	**36833**	**70826**	**57860**	**11279**	**9206**	**24069**	**19945**	**15581**	**12421**	**9752**	**9067**	**108818**	**89292**	**97026**	**83276**
ARGENTINA	161	231	200	329	3442	3551	4634	4064	608	200	1381	473	1217	461	1033	379	9444	6792	7874	4964
BOLIVIA	33	0	48	0	155	46	347	171	2	+	13	4	115	0	91	0	1215	631	1056	514
BRAZIL	9	17	9	37	1153	1232	1717	2214	4358	1793	9225	8597	2	66	2	34	8097	2285	6551	2205
CHILE	174	26	251	80	1069	198	2311	238	219	26	695	177	1540	1060	1294	982	4392	2481	3678	1993
COLOMBIA	4	46	6	73	421	1993	729	2214	1792	1120	4577	5356	1779	3008	1137	1997	5538	3348	5034	3541
ECUADOR	401	820	881	1297	1986	699	2784	1405	985	441	1052	917	704	1145	507	863	7530	8098	5634	6461
PARAGUAY	0	0	0	0	0	19	0	33	0	1	0	3	0	0	0	0	165	+	138	1
PERU	1	2	1	12	4089	1308	5155	1642	372	879	649	1242	839	526	644	411	2518	1541	2111	1272
URUGUAY	21	0	52	0	84	56	218	133	52	41	125	97	186	54	152	54	859	116	673	109
VENEZUELA	31	13	55	15	3745	1586	7350	2725	1205	774	2402	1550	10555	11778	8287	9884	541	1818	712	1033
OTHER	0	0	0	0	22	0	71	0	1	5	5	15	0	0	0	0	+	+	2	1
SOUTH AMERICA	**835**	**1155**	**1503**	**1843**	**16166**	**10688**	**25316**	**14839**	**9594**	**5280**	**20124**	**18431**	**16937**	**18098**	**13147**	**14604**	**40299**	**27110**	**33463**	**22094**
BELGIUM/LUX.	10786	9115	8339	7150	16869	9610	31524	19003	17871	13195	29256	21654	339	33	154	58	16807	14219	24540	22496
DENMARK	1	+	1	1	284	377	343	495	239	477	229	375	2	10	3	11	8086	8968	7675	8577
FRANCE	46	16	116	15	1385	3869	2029	10133	822	615	1574	1718	172	142	218	209	1121	636	1180	735
GERMANY, FED. REP. OF	520	487	643	592	1422	3280	2865	4053	2277	1653	4328	2531	160	231	225	369	958	3026	935	2336
GREECE	33	34	143	170	96	68	112	116	128	23	469	76	0	1	0	1	399	714	354	635
IRELAND	2	+	4	1	8404	4219	12423	7297	438	130	628	240	7	0	15	0	642	244	1173	669
ITALY	1	5	2	11	1870	3512	2333	3467	590	1492	1077	1246	91	369	155	254	1392	4013	1624	3007
NETHERLANDS	1	+	2	5	231	758	248	782	255	293	245	706	66	19	137	20	1883	2623	2005	2498
UNITED KINGDOM	130	10	189	10	9459	8261	17116	12043	6937	3761	8053	6490	288	470	359	541	4467	5782	5787	6434
AUSTRIA	1	0	5	0	139	0	264	0	17	11	90	52	123	4	183	5	2	38	2	220
CZECHOSLOVAKIA	152	141	598	515	0	0	0	0	2	22	10	13	0	0	0	0	0	44	0	29
FINLAND	0	3	0	16	2823	809	1848	1036	16	202	46	371	2	30	2	18	1504	5013	1122	3207
GERMAN DEM. REP.	0	0	0	0	35	38	95	107	0	0	0	0	0	0	0	0	533	267	333	179
HUNGARY	0	2	0	3	536	1091	422	1082	0	+	0	2	0	0	0	0	0	1197	0	857
ICELAND	1	0	3	0	0	1	0	2	0	37	0	37	0	0	0	0	86	278	85	289
NORWAY	0	0	0	0	743	224	986	301	3	38	14	44	39	32	47	44	383	741	354	597
POLAND	55	0	85	0	31	304	60	239	218	453	161	398	0	0	0	0	329	219	219	129
PORTUGAL	2	0	7	0	76	332	124	305	5	65	26	110	0	0	0	0	214	782	205	686
SPAIN	74	0	17	0	655	1279	791	1131	1003	1331	1106	1701	23	242	30	223	1297	1321	1262	883
SWEDEN	4	11	10	11	97	347	171	355	888	1857	1040	2036	53	40	89	56	1110	1163	1079	904
SWITZERLAND	4	1	9	4	1160	1228	1863	1770	23	76	145	141	9	8	15	13	1870	1203	2222	1348
TURKEY	0	0	0	0	1041	5375	1373	5354	11588	16178	13330	17903	0	0	0	0	+	2791	4	2683
USSR	1342	969	1833	969	0	0	0	0	1	0	3	0	0	0	0	0	0	304	0	427
YUGOSLAVIA	0	12	0	35	1333	+	1187	2	714	137	1207	137	0	0	0	0	1483	526	929	472
OTHER	0	0	0	0	0	0	0	0	24	+	44	2	0	0	0	0	0	0	0	0
EUROPE	**13155**	**10806**	**12006**	**9508**	**48689**	**44982**	**78177**	**69073**	**44059**	**42046**	**63081**	**57983**	**1374**	**1631**	**1632**	**1822**	**44566**	**56112**	**53089**	**60297**

See footnotes below.

SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(Continued)*

COUNTRY	A. CELLULOSIC YARN, MONOFIL & STRIPS				B. NONCELLULOSIC TEXTILE YARN				C. NONCELL. INDUSTRIAL YARN, MONOFIL & STRIPS				D. CELLULOSIC STAPLE+TOW				E. NONCELLULOSIC STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
AUSTRALIA	1554	1517	2297	2612	13682	9700	29604	21812	1655	1373	4089	3203	349	713	580	1277	17612	8694	19055	12129
BANGLADESH	0	0	0	0	704	440	618	187	16	0	16	0	0	0	0	0	0	0	0	0
CHINA, PEOPLE'S REP. OF	4146	5164	5462	6838	151230	95109	177872	114457	6703	404	10595	546	2	6	3	14	465061	137360	314984	90634
HONG KONG	0	5	0	28	32705	2174	36974	2973	515	465	1196	1195	4268	3888	2920	2117	12578	2171	8863	1857
INDIA	0	16	0	25	20927	1430	20899	1688	2069	2189	2544	2337	274	632	230	350	303	310	327	232
INDONESIA	33	48	83	35	238	1267	547	1182	47	76	93	204	3800	3323	2672	1971	2512	743	2072	1023
IRAQ	0	0	0	0	125	715	454	1011	+	0	2	0	0	0	0	0	0	0	0	0
ISRAEL	42	26	62	28	3488	5880	3910	5684	6535	5299	7290	5913	38	71	23	46	1762	1739	1496	1295
JAPAN	121	54	184	107	5651	2682	9823	5565	13833	8782	18050	12461	1697	294	919	262	7771	7529	7690	6591
JORDAN	0	0	0	0	354	652	423	643	0	0	0	0	0	0	0	0	+	1	1	6
KOREA, REP. OF	779	758	953	867	3398	3406	3241	3676	385	646	864	585	7895	8063	4867	4065	3832	2812	3065	2416
LEBANON	0	0	0	0	207	80	298	70	9	0	14	0	2	0	10	0	105	1	113	2
MALAYSIA	60	0	78	0	0	0	0	0	74	23	113	34	0	40	0	11	1504	307	1100	233
NEW ZEALAND	25	31	90	83	1207	1206	3104	2856	298	226	877	541	63	32	98	72	1000	466	1453	820
PAKISTAN	2	4	6	13	134	91	204	134	12	1	26	5	94	2	112	2	134	48	141	36
PHILIPPINES	28	25	32	83	612	476	840	864	312	40	486	137	7376	8861	4418	4604	5425	3028	4313	2398
QATAR	0	0	0	0	0	0	0	0	0	144	0	145	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	150	97	293	163	244	273	626	661	0	3	0	3	295	122	136	185
SINGAPORE	20	0	27	0	38	30	5	46	53	6	77	43	1333	2420	874	1363	299	298	572	528
SYRIA	0	0	0	0	967	310	1052	268	40	408	37	391	0	0	0	0	0	0	0	0
TAIWAN	198	178	203	199	752	485	717	490	2605	913	2773	1056	401	1918	360	1003	36412	40876	27885	29180
THAILAND	123	36	275	53	2	46	4	127	115	38	395	130	0	3473	0	1387	2063	831	1853	755
UNIT. ARAB EMIRATES	0	0	0	0	0	108	0	149	3	0	10	0	0	0	0	0	3	6	11	10
OTHER	0	0	0	0	32	13	46	32	8	13	10	27	0	6	0	5	53	83	46	65
ASIA & OCEANIA	**7131**	**7862**	**9752**	**10969**	**236603**	**126397**	**290928**	**164077**	**35531**	**21319**	**50183**	**29614**	**27592**	**33745**	**18086**	**18552**	**558724**	**207425**	**395176**	**150395**
ALGERIA	0	0	0	0	128	10133	228	14665	2764	+	4135	2	0	0	0	0	0	7	0	18
CAMEROON	0	0	0	0	93	425	141	622	0	0	0	0	0	0	0	0	0	0	0	0
EGYPT	0	0	0	0	6633	20903	8420	25218	929	1147	927	1455	0	999	0	148	574	289	527	326
KENYA	0	0	0	0	0	0	0	0	1	0	7	12	22	0	22	0	394	391	315	350
MOROCCO	79	0	108	0	497	2935	442	2634	52	597	75	530	8	26	7	29	448	147	442	114
MOZAMBIQUE	0	0	0	0	249	0	324	0	+	2	2	0	0	0	0		0	0	0	0
NIGERIA	0	0	0	0	2327	7201	3526	8674	290	176	574	314	0	0	0	0	25	99	49	77
SOUTH AFRICA	641	498	1070	825	4544	3108	6072	4599	2338	1378	3203	1944	632	93	705	118	35699	27210	25277	17834
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2080	0	1383
TANZANIA	0	0	0	0	0	935	0	1423	0	0	0	0	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	0	245	0	314	0	0	0	0	0	0	0	0	5	5	12	14
ZAMBIA	0	0	0	0	2	0	4	0	66	187	121	617	0	0	0	0	0	0	0	0
ZIMBABWE	0	0	0	0	1	139	2	292	1	+	7	3	14	0	4	0	1041	727	723	557
OTHER	0	0	0	0	44	74	53	38	1	27	16	47	0	0	0	0	88	129	76	135
AFRICA	**720**	**498**	**1178**	**825**	**14518**	**46098**	**19212**	**58479**	**6442**	**3514**	**9067**	**4924**	**676**	**1118**	**738**	**295**	**38274**	**31084**	**27421**	**20808**
GRAND TOTAL	**24706**	**22139**	**28408**	**25331**	**356521**	**264998**	**484459**	**364328**	**106905**	**81365**	**166524**	**130897**	**62160**	**67013**	**43355**	**44340**	**790681**	**411023**	**606175**	**336870**

The commodity numbers are:
A. 309.0110, .2210, 310.0006 & .0026.
B. 310.0008, .0009, .0010, .0014, .0029, .0034, .0040 & 0044.
C. 309.0120, .0140, .0170, .2220, .2270, 310.0027 & .0032.
D. 309.4219, & .4222.
E. 309.3220, .3240, .3250, .3255, .4240, .4242, .4245, .4246 & .4247.

U.S. EXPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	1946	3456	2585	357	402	2228	4564	3574	594	655
OTHER[b]	310.0026	17027	26770	24130	23914	21618	15339	24886	28135	27329	24490
MONOFILAMENTS	309.0110	1413	521	149	90	15	1579	645	343	212	90
STRIPS	309.2210	351	43	66	346	105	308	58	61	273	96
SUBTOTAL ABOVE		**20737**	**30790**	**26930**	**24707**	**22140**	**19454**	**30153**	**32113**	**28408**	**25331**
STAPLE+TOW - RAYON	309.4222	80453	96844	64817	55156	63371	39534	55706	44031	39032	41063
STAPLE - ACETATE	309.4219	6451	9663	6255	7004	3642	4783	7433	6145	4323	3277
SUBTOTAL ABOVE		**86904**	**106507**	**71072**	**62160**	**67013**	**44317**	**63139**	**50176**	**43355**	**44340**
WASTE, ADVANCED & NOT ADVANCED	309.7400	6975	9551	6090	2799	3193	2312	3684	2872	1358	1397
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310.0008 & .0009	21392	44797	53773	69600	39429	28904	63662	72940	107096	62179
- HIGH TENACITY[c]	310.0027	31768	46287	57804	57400	48396	27057	43503	63637	72569	57259
- OTHER	310.0029	11269	21223	24967	19424	11789	17282	31528	42082	37980	23987
POLYESTER - TEXTURED	310.0010	29469	85579	114910	236152	182935	34340	105864	141835	286022	227816
- HIGH TENACITY[c]	310.0032	6187	22407	23202	23440	13752	6276	24507	27660	31474	17846
- OTHER[d]	310.0034	6780	8616	7493	11759	10179	6714	9391	8793	13226	10221
OTHER - TEXTURED	310.0014	3671	9993	19005	11751	15652	5043	12163	23056	15085	19147
- OLEFIN	310.0040	2747	1990	2520	2603	1124	2924	1998	2999	3312	1643
- OTHER	310.0044	4384	5050	5265	5231	3891	12097	17181	18734	21738	19335
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	16566	14916	15307	7786	4424	25173	30001	30834	20698	14193
POLYESTER[e]	309.0140	32942	21349	18985	7163	4242	32013	24923	21987	11903	8662
OTHER	309.0170	6209	5927	8665	6560	8185	15875	18693	28813	23244	28295
STRIPS	309.2220 & .2270	1033	2688	3427	4555	2366	2493	4566	5181	6635	4642
SUBTOTAL ABOVE		**174417**	**290822**	**355323**	**463424**	**346364**	**216191**	**387980**	**488551**	**650982**	**495225**
STAPLE - NYLON	309.4240	26221	33857	29306	27556	15374	21834	29779	30141	33825	19751
- POLYESTER	309.4242	218674	307246	447290	522681	189584	97225	165284	285737	361110	134073
- ACRYLIC	309.4245	109139	181112	145172	156661	126617	63489	109404	103264	114359	91350
- OLEFIN	309.4246	1873	6910	3275	1758	7616	1245	6304	2371	1491	3663
- OTHER	309.4247	9672	16749	17751	18033	15410	10141	19391	25654	31381	29336
GROUPED FILAMENTS											
NYLON	309.3220	6239	10614	7282	4561	4966	8333	13816	11747	9625	11281
POLYESTER[d]	309.3240	37790	78566	54880	26777	28133	26537	69067	50247	28444	28075
ACRYLIC	309.3250 & .3255	19338	23281	27517	32655	23322	14758	18389	20408	25940	19341
SUBTOTAL ABOVE		**428946**	**658335**	**732473**	**790682**	**411022**	**243562**	**431434**	**529569**	**606175**	**336870**
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	11232	18034	14520	13938	11806	4897	7514	9050	8903	7648
POLYESTER	309.7630	48917	77424	61153	54117	50903	12726	32029	25592	20814	21091
ACRYLIC	309.7640	3793	4807	2352	4795	1713	1142	1223	801	1552	610
OTHER	309.7660	24717	37478	38395	34415	21654	6889	11950	13965	13433	10206
SUBTOTAL ABOVE		**88659**	**137743**	**116420**	**107265**	**86076**	**25654**	**52716**	**49408**	**44702**	**39555**
TOTAL MAN-MADE FIBER ABOVE		**806638**	**1233748**	**1308308**	**1451037**	**935808**	**551490**	**969106**	**1152689**	**1374980**	**942718**
TEXTILE GLASS FIBER	309.2700 & .9700	29230	47494	54407	38934	43714	23498	38867	54269	41642	39861
GRAND TOTAL ABOVE		**835868**	**1281242**	**1362715**	**1489971**	**979522**	**574988**	**1007973**	**1206958**	**1416622**	**982579**

SOURCE: U.S. Census Bureau Report EX546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c Includes an undetermined amount of noncellulosic tire cord and tire cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

A Textile Organon Feature.

U.S. IMPORTS OF MAN-MADE FIBERS

ITEM	COMMODITY NUMBER AS OF 1/1/78	THOUSAND POUNDS					THOUSAND DOLLARS				
		1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
CELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED	310.0106 & .0206	1747	2695	912	309	561	2105	3903	1668	505	857
OTHER	310.0130 & .0230[a]	23925	10495	7380	10373	6437	25268	13111	12222	15748	10381
MONOFILAMENTS	309.0310 & .0610	3	..	0	4	2	10	1	0	32	10
STRIPS, $1/LB & UNDER	309.2000 *	54	81	10	33	27	28	52	16	28	15
SUBTOTAL ABOVE		**25729**	**13271**	**8302**	**10719**	**7027**	**27411**	**17067**	**13906**	**16313**	**11263**
STAPLE	309.4320 & .4325	37840	13949	7998	14626	11939	17382	8042	5653	10348	8383
GROUPED FILAMENTS	309.3010 & .3110	3285	2580	2308	2137	1469	1793	3677	5023	2211	2342
SUBTOTAL ABOVE		**41125**	**16529**	**10306**	**16763**	**13408**	**19175**	**11719**	**10676**	**12559**	**10725**
WASTE, ADVANCED & NOT ADVANCED	309.6615 & .7510	391	803	339	519	395	118	314	146	291	170
NONCELLULOSIC FIBERS											
YARN - SINGLES											
TEXTURED - NYLON	310.0109 & .0209	4625	953	3154	3827	4744	5167	1128	4089	7103	8157
- POLYESTER	310.0110 & .0210	6068	1083	337	768	510	6405	1589	780	939	563
- OTHER	310.0114 & .0214	657	153	195	492	4340	787	360	373	895	5580
OTHER - NYLON	310.0149 & .0249	24993	6105	3572	3976	5533	24736	8310	5687	6147	7941
- POLYESTER	310.0150 & .0250	12740	7579	6672	5441	5263	13895	10230	9906	7082	7584
- OTHER	310.0170 & .0270[b]	1252	1346	1417	1595	1639	2150	2545	3149	3151	4854
MONOFILAMENTS	309.0200 & .0330[c]	1554	2365	4038	2615	1497	4415	6967	10243	6515	5053
STRIPS, OVER $1/LB	309.2100 & .2500 *	319	420	229	220	306	2861	3267	2427	1547	2069
SUBTOTAL ABOVE		**52208**	**20004**	**19614**	**18934**	**23832**	**60416**	**34396**	**36654**	**33379**	**41801**
STAPLE - NYLON	309.4338	6306	2364	1698	23576	11503	4794	2455	2365	25067	10488
- POLYESTER	309.4342	7695	3087	1344	6649	7257	4082	2020	1184	4289	4791
- ACRYLIC	309.4345	18185	13047	13296	10465	7851	10874	9925	11509	10179	6777
- OLEFIN	309.4346	46	57	144	1134	627	44	54	146	638	638
- OTHER	309.4355	21241	15766	14574	10666	10853	12111	8998	9779	7798	6744
GROUPED FILAMENTS											
NYLON	309.3030 & .3130	1025	719	1022	2175	7620	1213	924	1364	2625	11385
POLYESTER	309.3040 & .3140	529	44	129	336	56	600	36	137	541	160
ACRYLIC	309.3050 & .3150	3607	2910	2608	3434	4438	3515	3694	4331	7181	8313
OTHER	309.3065 & .3165	1852	1325	753	2082	882	1606	1348	1126	2965	1247
SUBTOTAL ABOVE		**60486**	**39319**	**35568**	**60517**	**51087**	**38839**	**29454**	**31941**	**61283**	**50543**
WASTE, NOT ADVANCED - NYLON	309.6625	14623	12843	11658	25255	22190	2778	2811	2899	6558	8275
- POLYESTER	309.6630	5344	3333	5936	18111	11187	519	470	1004	3640	1944
- ACRYLIC	309.6645	3328	2395	2358	2872	932	863	587	726	999	274
- OTHER	309.6660	1497	1568	965	2969	2530	357	461	305	844	689
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	14	3	4	85	55	4	6	3	54	34
OTHER WASTE, ADVANCED	309.7525 - .7555	1170	984	625	536	851	339	313	360	366	471
SUBTOTAL ABOVE		**25976**	**21126**	**21546**	**49828**	**37745**	**4860**	**4648**	**5297**	**14261**	**11687**
TOTAL MAN-MADE FIBER ABOVE		**205915**	**111052**	**95675**	**157280**	**133494**	**150819**	**97598**	**98620**	**138086**	**126189**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD											
YARN - PLIED											
TEXTURED - CELLULOSIC	310.1106	26	2	0	25	2	78	16	0	41	10
- NONCELLULOSIC	310.1015[d] & .1109[e]	3454	2196	1378	3385	5315	4323	2955	2141	5774	7806
OTHER - CELLULOSIC	310.1030 & .1135[f]	300	25	97	21	146	349	56	334	108	240
- NONCELLULOSIC	310.1050 & .1070[g]	366	300	389	373	979	934	949	1347	763	1789
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	937	585	508	659	325	1565	1126	1225	1522	756
- OTHER	310.4015 & .4027[i]	40669	20300	19387	18599	22056	52789	30821	33114	32603	40264
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	2127	3748	2320	4117	3107	4951	11607	8196	12852	9649
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	2464	2561	2260	2797	2277	7493	8347	7793	10681	9170
SLIVER, TOPS & ROVING	309.9000	7322	6453	2708	3622	2626	3758	3584	2034	2801	2977
TEXTILE GLASS FIBER	309.2800 & .2900[j]	21844	10353	7350	18212	14100	10413	6124	6453	12914	10114
GRAND TOTAL ABOVE		**285424**	**157575**	**132072**	**209090**	**184427**	**237472**	**163183**	**161257**	**218145**	**208964**

SOURCE: U.S.Census Bureau Report IM146.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

[a] Also includes 310.0510 & .0610.

[b] Also includes 310.0530, .0550, .0630 & .0650.

[c] Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

[d] There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

[e] Also includes 310.1110 & .1114.

[f] Also includes 310.2010 & .2110.

[g] Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

[h] Also includes 310.5005 & .5030.

[i] Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

[j] Chiefly roving. Also includes 309.9800 & .9900.

A Textile Organon Feature.

U.S. IMPORTS OF SELECTED MAN-MADE FIBER MANUFACTURES

ITEM	COMMODITY NUMBER AS OF 1/1/82	THOUSAND POUNDS 1978	1979	1980	1981	1982	THOUSAND DOLLARS 1978	1979	1980	1981	1982
KNIT FABRIC IN THE PIECE											
RAYON & ACETATE		156	311	176	318	448	862	1557	1106	1660	2311
ACRYLIC	345.5011 .5077	168	80	147	127	146	886	530	970	725	1122
NYLON	INCLUSIVE	775	455	316	346	440	4174	2469	1844	2208	3123
POLYESTER		5657	2315	1548	1066	849	22816	11029	7714	5171	4256
OTHER MAN-MADE FIBER		915	548	409	242	354	4212	3473	2264	1399	2089
TOTAL KNIT FABRICS		**7671**	**3709**	**2596**	**2099**	**2237**	**32950**	**19058**	**13898**	**11163**	**12901**
BROAD WOVEN FABRICS											
MAN-MADE FIBER FABRICS CONTAINING MORE THAN 17% WOOL	338.1000 .1580										
RAYON OR ACETATE		278	12	42	28	9	982	50	394	184	73
NYLON		81	151	140	88	168	694	1392	1401	785	1366
POLYESTER		16493	16190	16389	22170	19799	63351	63224	71725	91704	82658
OTHER MAN MADE FIBER		11024	10386	12907	16554	10266	29905	32310	47892	54231	31407
OTHER WOVEN FABRICS IN THE PIECE EXCEPT PILE FABRICS	338.2500 .5069[a] INCLUSIVE										
ACETATE		705	353	333	113	250	5403	4115	4043	1517	1349
RAYON - 100% FILAMENT YARN		3221	2236	2397	1332	1060	14958	14228	15620	9102	6454
OTHER MAINLY 100% YARN		1241	1905	2366			7304	12074	15750		
RAYON & /OR ACETATE					3753	2744				31162	17287
RAYON OR ACETATE & COTTON						273					1646
ACRYLIC		1445	616	608	297	295	6060	3348	3644	1634	1806
NYLON		3854	2468	1233	501	990	13006	11920	7619	4450	5893
POLYESTER		40802	28475	30424	45870	41250	237747	200488	212348	318203	286794
POLYESTER & RAYON						395					1140
POLYESTER & COTTON						10689					41396
TEXTILE GLASS FIBER		1489	2055	1909	1807	2251	2526	4045	4102	4610	4935
OTHER MAN MADE FIBER		2559	1169	1386	5542	4249	9672	6212	7389	35423	27616
OTHER MAN MADE FIBER & COTTON						545					3710
VELVETS	346.6010 .6065	2139	1405	1043	757	579	7325	5641	4851	3515	2273
OTHER PILE FABRICS		1599	1227	914	671	1031	9708	8940	7226	4335	5995
TIRE FABRIC	357.8060	97	97	46	273	1069	118	220	94	514	1520
TOTAL BROAD WOVEN FABRICS		**87027**	**68745**	**72137**	**99756**	**97912**	**408759**	**368207**	**404098**	**561369**	**525318**

a. As of 1978, the commodity numbers for Other Woven Fabrics in the Piece Except Pile Fabrics ran from 338.2500 to 338.3098. In both 1981 and 1982 those commodity numbers, with the exception of those for textile glass (338.2500 & .2700), were revised, leaving both 1981 and 1982 data not comparable with those for earlier years.

End Of Textile Organon Feature.

TIRE CORD & TIRE CORD FABRICS PRODUCTION

MILLION POUNDS

TYPE OF FABRIC	1981 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1982 1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1983 1ST Q	2ND Q
TIRE CORD & TIRE FABRICS												
NYLON	71.4	62.9	73.2	59.6	267.1	59.8	51.0	36.5				
POLYESTER	53.8	53.7	55.3	49.1	211.9	42.9	37.4	40.1				
RAYON	4.0	3.7	3.2	2.9	13.8	10.3	10.0	7.5				
GLASS	4.6	5.7	6.7	4.7	21.7							
CHAFER & OTHER[a]	16.2	10.5	13.0	14.6	54.3	14.8	13.2	12.1				
TOTAL TIRE CORD & TIRE CORD FABRICS	**150.0**	**136.5**	**151.4**	**130.9**	**568.8**	**127.8**	**111.6**	**96.2**				

SOURCE: U.S. Census Bureau, *Current Industrial Report MQ-22T.*

a. Includes a nominal amount of cotton and some steel.

BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1981					1982					1983	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
COTTON FABRICS	**980.0**	**974.1**	**956.3**	**1002.5**	**3912.9**	**983.0**	**963.9**	**876.5**				
DUCK & ALLIED FABRICS	20.7	25.3	26.1	23.0	95.1	26.5	24.1	25.6				
SHEETING & ALLIED FABRICS	175.3	170.4	163.0	169.4	678.1	154.3	130.8	107.5				
PRINT CLOTH YARN FABRICS	351.9	333.3	339.1	408.0	1432.3	411.2	404.2	373.6				
DENIMS	146.1	150.7	155.3	138.2	590.3	126.4	119.6	126.5				
TOWELING, WASH- & DISHCLOTHS	127.8	125.1	115.9	121.0	489.8	106.7	113.3	93.1				
BLANKETING & OTHER NAPPED FABRICS	24.5	24.3	20.4	18.2	87.4	14.9	17.9	16.4				
FINE COTTON FABRICS	27.3	29.6	31.7	32.3	120.9	38.0	44.4	48.7				
CORDUROYS	73.2	74.7	68.0	60.8	276.7	66.9	67.7	54.4				
UPHOLSTERY & TAPESTRY	5.9	7.0	7.2	6.4	26.5	6.8	5.1	3.9				
VELVETS	2.0	3.2	3.2	2.9	11.3	2.9	5.6	3.5				
ALL OTHER FABRICS	25.3	30.5	26.4	22.3	104.5	28.4	31.2	23.3				
WOOLEN & WORSTED FABRICS[a]	**46.6**	**48.9**	**36.4**	**33.1**	**165.0**	**38.2**	**36.1**	**18.8**				
MEN'S & BOYS' CLOTHING	22.9	22.5	15.7	15.2	76.3	17.9	16.2	7.4				
WOMEN'S & CHILDREN'S CLOTHING	22.4	25.3	19.7	16.6	84.0	18.7	18.3	9.6				
NONAPPAREL FABRICS	1.3	1.1	1.0	1.3	4.7	1.6	1.6	1.8				
MAN-MADE FABRICS	**2892.5**	**2867.2**	**2841.4**	**2571.0**	**11172.1**	**2352.3**	**2281.0**	**2166.1**				
100% FILAMENT YARN FABRICS												
COMBINATIONS, CHIEFLY ACETATE	14.1	14.0	13.0	11.5	52.6	10.3	8.8	6.8				
100% NYLON	118.8	103.3	109.3	101.2	432.6	110.3	105.5	100.2				
100% POLYESTER	302.2	320.3	312.4	266.5	1201.4	211.6	251.7	223.3				
TEXTILE GLASS	106.6	92.8	99.1	87.6	386.1	86.1	80.2	66.5				
100% ACETATE	99.9	99.0	93.6	95.9	388.4	77.5	89.1	75.5				
COMBINATIONS, CHIEFLY POLYESTER	21.5	20.0	21.9	23.3	86.7	25.1	24.6	27.3				
100% RAYON	7.1	6.4	6.0	5.0	24.5	5.0	5.1	306.4				
OTHER	357.3	326.5	301.4	293.4	1278.6	243.2	265.0					
100% SPUN YARN FABRICS & BLENDS												
RAYON & ACETATE	174.5	179.6	144.2	94.1	592.4	30.5	28.6	26.9				
ACRYLIC	2.9	3.7	3.2	2.5	12.3	6.4	2.6	1.8				
100% POLYESTER	70.3	69.3	65.8	66.2	271.6	76.0	62.8	61.3				
POLYESTER WITH COTTON	1100.6	1088.2	1110.1	1021.9	4320.8	1009.3	905.0	821.8				
POLYESTER WITH RAYON	177.3	190.9	193.7	176.6	738.5	133.1	119.5	118.2				
POLYESTER WITH OTHER FIBERS	15.3	15.6	22.5	19.4	72.8	21.4	23.6	34.1				
BLANKETING[b]	24.6	28.1	14.3[c]	11.7[c]	99.5	19.3	19.2	22.3				
POLYESTER WITH WOOL	12.6	13.4	40.6[d]	37.4[d]	58.0	14.8	14.7	e				
NYLON	8.6	12.5			39.0	12.3	14.6	12.4				
ALL OTHER	4.3	4.3			15.9	3.2	4.0	3.9				
COMBINATIONS & MIXTURES[c]												
FILAMENT POLYESTER WARP	82.3	76.3	68.7	58.4	285.7	55.8	g	g				
FILAMENT RAYON OR ACETATE WARP	38.5	37.4	35.1	32.9	143.9	29.1	26.9	21.6				
OTHER FILAMENT WARP						11.1	39.5	42.7				
OTHER	115.8	125.6	147.8	134.7	523.9	129.3	155.4	161.6				
SPECIALTY FABRICS												
VELVETS	4.4	4.6	3.9	3.4	16.3	3.8	3.7	3.1				
UPHOLSTERY & TAPESTRY	28.9	28.6	27.9	21.2	106.6	27.8	30.9	28.4				
SILK	4.1	6.8	6.9	6.2	24.0							
OTHER[h]												
TOTAL BROAD WOVEN FABRICS ABOVE	**3919.1**	**3890.2**	**3834.1**	**3606.6**	**15250.0**	**3373.5**	**3281.0**	**3061.4**				

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Felts are not included.

b. Acrylic+modacrylic and polyester. Does not include polyester for 3rd & 4th Q 1981.

c. Acrylic+modacrylic only.

d. Includes polyester blanketing.

e. Included in item Polyester with Other Fibers above.

f. Includes filament & spun yarn fabrics.

g. Included in item Other Filament Warp below.

h. 100% or chiefly man-made fibers; chief fiber not specified. Also includes small poundages of tie, twisted paper yarn and girdle & swimwear fabrics.

YARN CONSUMED IN BROAD WOVEN FABRIC MILLS[a]

MILLION POUNDS

YARN	1981					1982					1983	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT												
RAYON, ACETATE & TRIACETATE	35.4	35.9	34.8	34.0	140.1	33.1	32.2	25.9				
NYLON	90.1	82.5	84.0	77.9	334.5	77.5	69.1	56.0				
POLYESTER	145.8	149.3	144.9	123.8	563.8	114.7	123.0	114.1				
TEXTILE GLASS	42.6	37.0	40.3	36.2	156.1	38.2	35.8	29.6				
ALL OTHER[b]	107.3	80.3	71.5	69.0	328.1	57.1	62.8	68.5				
TOTAL FILAMENT YARN ABOVE	**421.2**	**385.0**	**375.5**	**340.9**	**1522.6**	**320.6**	**322.9**	**294.1**				
SPUN YARN												
100% COTTON	322.3	323.5	303.1	293.7	1242.6	283.5	275.3	262.8				
100% WOOL	14.0	14.1	8.5	7.9	44.5	11.7	8.8	5.6				
100% ACRYLIC	5.6	6.0	5.2	4.0	20.8	5.5	5.8	6.4				
100% POLYESTER	40.5	39.7	41.7	38.1	160.0	33.6	30.2	27.2				
RAYON AND/OR ACETATE[c]	29.6	28.8	25.7	24.6	108.7	20.8	22.0	21.9				
POLYESTER/COTTON BLENDS[d]	330.5	328.0	318.5	294.2	1271.3	287.6	268.3	251.4				
POLYESTER/WOOL BLENDS[d]	6.3	7.6	7.8	6.3	28.0	7.7	6.7	7.9				
POLYESTER/RAYON BLENDS[d]	37.8	39.1	41.0	37.6	155.5	37.3	32.2	30.0				
TOTAL SPUN YARN ABOVE	**786.6**	**786.9**	**751.5**	**706.4**	**3031.4**	**687.7**	**649.3**	**613.2**				
ALL OTHER YARNS[e]	28.7	29.1	26.9	22.8	107.5	21.1	30.1	19.7				
GRAND TOTAL	**1236.5**	**1201.0**	**1153.9**	**1070.1**	**4661.5**	**1029.4**	**1002.3**	**927.0**				

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Includes data from all types of broad woven fabric mills, i.e., cotton, man-made, woolen & worsted and tire cord & fabric mills.

b. Includes 100% spun rayon and acetate as well as rayon and/or acetate/cotton blends, regardless of blend level.

c. Regardless of blend level.

d. All Other Yarns includes spun nylon, other blends, silk and paper.

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION

MILLION SQUARE YARDS

TYPE OF FABRIC	1981					1982					1983	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% FILAMENT YARN FABRICS	**1027.5**	**982.3**	**956.7**	**884.4**	**3850.9**	**769.1**	**830.0**	**806.0**				
FILAMENT COMB., CHIEFLY ACETATE	14.1	14.0	13.0	11.5	52.6	10.3	8.8	6.8				
100% FILAMENT NYLON	118.8	103.3	109.3	101.2	432.6	110.3	105.5	100.2				
INDUSTRIAL TYPE	56.0	52.6	56.1	55.2	219.9	55.7	50.7	44.9				
TAFFETAS (PLAIN WEAVE)												
50 & 70 DENIER	46.9	36.4	36.0	30.3	149.6	46.5	47.4	46.4				
ALL OTHER	8.4	7.7	10.1	9.0	35.2							
TWILLS & SATINS[a]	3.2	3.5	3.4	3.6	13.7	8.1	7.4	8.9				
ALL OTHER	4.3	3.1	3.7	3.1	14.2							
100% FILAMENT POLYESTER	302.2	320.3	312.4	266.5	1201.4	211.6	251.7	223.3				
TEXTURED YARN												
UP TO 4 OZ/SQ YD	64.6	68.3	73.7	66.8	273.4	55.2	51.0	41.6				
4 OZ & OVER/SQ YD	186.6	197.5	186.4	143.1	713.6	110.5	155.3	138.0				
NONTEXTURED YARN												
INDUSTRIAL TYPE	13.5	10.1	9.9	10.2	43.7	11.4	10.2	8.5				
MARQUIS., NINONS & OTHER SHEERS	27.3	36.3	35.9	39.0	138.5	27.6	29.4	31.7				
TAFFETAS	7.0	4.8	2.9	3.6	18.3	3.4	2.3	0.9				
ALL OTHER	3.2	3.3	3.6	3.8	13.9	3.5	3.5	2.6				
GLASS FIBER	106.6	92.8	99.1	87.6	386.1	86.1	80.2	66.5				
INDUSTRIAL												
WOVEN ROVING & SCREENING	9.8	9.7	8.5	5.6	33.6	4.8	4.5	7.5				
ALL OTHER[b]	96.8	83.1	90.6	82.0	352.5	81.3	75.7	59.0				
100% FILAMENT ACETATE	99.9	99.0	93.6	95.9	388.4	77.5	89.1	75.5				
TAFFETAS (PLAIN WEAVE)												
75 DENIER WARP	8.4	7.8	8.1	8.8	33.1	9.1	9.7	9.8				
150 DENIER WARP	9.5	11.2	13.6	14.5	48.8	12.3	9.4	8.0				
ALL OTHER	36.5	36.6	26.5	27.7	127.3	16.5	25.0	19.9				
SATINS	12.8	12.9	14.2	13.3	53.2	39.6	45.0	37.8				
ALL OTHER[c]	32.7	30.5	31.2	31.6	126.0							
FILAMENT COMB., CHIEFLY POLYESTER	21.5	20.0	21.9	23.3	86.7	25.1	24.6	27.3				
100% FILAMENT RAYON	7.1	6.4	6.0	5.0	24.5	5.0	5.1	306.4				
TWILLS	6.4	5.7	4.5	3.2	19.8							
ALL OTHER[d]	0.7	0.7	1.5	1.8	4.7							
OTHER 100% FILAMENT YARN[e]	357.3	326.5	301.4	293.4	1278.6	243.2	265.0					

See footnotes on opposite page.

MAN-MADE FIBER BROAD WOVEN GOODS PRODUCTION *(Continued)*

MILLION SQUARE YARDS

TYPE OF FABRIC	1981					1982					1983	
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q
100% SPUN YARN FABRICS & BLENDS	**1591.0**	**1605.6**	**1594.4**	**1429.8**	**6220.8**	**1326.3**	**1194.6**	**1102.7**				
SPUN RAYON AND/OR ACETATE BLENDS[f]						11.2	11.0	10.6				
100% SPUN RAYON AND/OR ACETATE[f]	150.1	155.9	130.7	79.5	516.2	19.3	17.6	16.3				
TWILLS & SATINS						6.8	6.3	6.1				
OTHER	24.4	23.7	13.5	14.6	76.2	12.5	11.3	10.2				
SPUN ACRYLIC[f]	2.9	3.7	3.2	2.5	12.3	6.4	2.6	1.8				
100% SPUN POLYESTER[f]	70.3	69.3	65.8	66.2	271.6	76.0	62.8	61.3				
PRINT CLOTH YARN	10.1	12.5	12.2	13.9	48.7	12.4	9.1	9.3				
OTHER	60.2	56.8	53.6	52.3	222.9	63.6	53.7	52.0				
SPUN POLYESTER BLENDS WITH COTTON[f]	1100.6	1088.2	1110.1	1021.9	4320.8	1009.3	905.0	821.8				
BATISTE	74.9	67.0	67.0	61.0	269.9	61.6	54.3	52.9				
BED SHEETING												
COMBED	404.3	398.1	404.0	367.7	1574.1	210.4	163.8	149.4				
CARDED						142.8	151.3	132.2				
COMBED BROADCLOTH	55.4	62.4	77.6	72.2	267.6	68.6	63.8	59.0				
OXFORDS												
SHIRTING	12.0	11.8	9.3	9.1	42.2	8.1	8.2	10.2				
OTHER (INCL. HOPSACKS)												
POPLINS	65.6	73.3	85.2	79.5	303.6	69.4	65.7	57.7				
PRINT CLOTH FABRICS												
PLAIN PRINT CLOTH[g]	212.1	202.9	223.1	211.0	849.1	195.0	152.9	146.9				
ALL OTHER						23.8	17.2	11.9				
SATEENS	9.0	7.6	5.6	4.4	26.6	5.0	6.3	4.2				
TWILLS, INCL. GABARDINE												
LESS THAN 8 OZ/SQ YD	62.8	57.0	58.4	63.3	241.5	73.5	72.7	66.6				
8 OZ/SQ YD & OVER	35.8	42.9	33.2	22.6	134.5	26.4	34.6	22.2				
YARN DYED FABRICS												
SHIRTINGS, STRIPES & CHAMBRAY	62.1	62.4	55.4	53.0	232.9	20.3	15.5	20.2				
OTHER						34.3	34.4	31.7				
VOILES	11.1	9.5	11.6	9.0	41.2	7.1	3.9	56.7				
CORDUROY	18.0	18.6	79.7	69.2	67.1	63.0	60.4					
ALL OTHER[h]	77.5	74.7			270.6							
SPUN POLYESTER BLENDS WITH RAYON[f]	177.3	190.9	193.7	176.6	738.5	133.1	119.5	118.2				
PLAIN PRINT CLOTH	115.9	118.9	113.8	103.7	452.3	83.4	77.8	75.0				
OTHER PRINT CLOTH YARN	61.4	72.0	79.9	72.9	286.2	49.7	41.7	43.2				
ALL OTHER												
SPUN POLYESTER BLENDS WITH OTHER FIBERS[f]	15.3	15.6	22.5	19.4	72.8	21.4	23.6	34.1[i]				
BLANKETING	24.6	28.1			99.5	19.3	19.2	22.3				
SPUN ACRYLIC+MODACRYLIC	14.4	15.9	14.3	11.7	56.3	9.5	9.5	10.8				
SPUN POLYESTER	10.2	12.2	40.6	37.4	43.2	9.8	9.7	11.5				
SPUN POLYESTER BLENDS WITH WOOL[f]	12.6	13.4			58.0	14.8	14.7	j				
SPUN NYLON	8.6	12.5			39.0	12.3	14.6	12.4				
ALL OTHER 100% SPUN YARN FABRICS & BLENDS	4.3	4.3			15.9	3.2	4.0	3.9				
COMBINATIONS & MIXTURES OF FILAMENT & SPUN YARN FABRICS	**236.6**	**239.3**	**251.6**	**226.0**	**953.5**	**225.3**	**221.8**	**225.9**				
FILAMENT POLYESTER WARP	82.3	76.3	68.7	58.4	285.7	33.0	k	k				
TEXTURED POLYESTER WARP						22.8	27.8	27.6				
FILAMENT RAYON OR ACETATE WARP	38.5	37.4	35.1	32.9	143.9	29.1	26.9	21.6				
ALL OTHER FILAMENT WARP						11.1	39.5[l]	42.7[l]				
SPUN WARP WITH FILAMENT FILLING	115.8	125.6	147.8	134.7	523.9	129.3	127.6	134.0				
COMBINATION FILAMENT & SPUN WARP OR FILLING												
OTHER SPECIALTY FABRICS	**37.4**	**40.0**	**38.7**	**30.8**	**146.9**	**31.6**	**34.6**	**31.5**				
VELVETS, PLUSHES & OTHER PILE	4.4	4.6	3.9	3.4	16.3	3.8	3.7	3.1				
UPHOLSTERY & TAPESTRY	28.9	28.6	27.9	21.2	106.6	27.8	30.9	28.4				
SILK	4.1	6.8	6.9	6.2	24.0							
ALL OTHER[m]												
TOTAL MAN-MADE FIBER FABRICS ABOVE	**2892.5**	**2867.2**	**2841.4**	**2571.0**	**11172.1**	**2352.3**	**3281.0**	**3061.4**				

SOURCE: U.S. Census Bureau, ***Current Industrial Report MQ-22T.***

a. Also includes marquisettes, ninons and other sheers.
b. Includes household fabrics (marquisettes, drapery, upholstery, etc.).
c. Includes marquisettes, ninons, sheers, industrials and twills.
d. Includes marquisettes, ninons, sheers, industrials, taffetas and satins.
e. Includes filament combinations, chiefly rayon, and saran & olefin.
f. Except blanketing.
g. Includes carded broadcloth.
h. Includes seersucker and piece-dyed pattern fabrics.
i. Includes polyester blends with wool.
j. Included in Polyester Blends With Other Fibers above.
k. Textured polyester warp only. Other polyester warp is included in All Other Filament Warp below.
l. Includes filament polyester warp, except textured polyester.
m. Includes tie, twisted paper yarn and girdle & swimwear fabrics.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983						2 MONTHS	
ITEM & COUNTRY	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**1983**	**1982**
CELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	208	341					549	15
MEXICO	73	52					125	231
AUSTRIA	41	289					330	20
GERMANY, FED. REP. OF	93	103					196	777
NETHERLANDS	11	71					82	163
JAPAN	18	6					24	62
REP. OF KOREA	40	0					40	0
ALL OTHER COUNTRIES[a]	0	88					88	181
TOTAL CELL. YARN	**484**	**950**					**1434**	**1449**
CELLULOSIC STAPLE+TOW								
CANADA	442	346					788	322
AUSTRIA	0	158					158	645
SWEDEN	0	187					187	464
UNITED KINGDOM	2	0					2	119
JAPAN	134	174					308	173
ALL OTHER COUNTRIES[b]	5	23					28	372
TOTAL CELL. STAPLE	**583**	**888**					**1471**	**2095**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	752	426					1178	451
MEXICO	17	289					306	1
FRANCE	157	210					367	242
GERMANY, FED. REP. OF	636	574					1210	943
ITALY	88	11					99	26
SPAIN	153	92					245	0
SWITZERLAND	47	122					169	2
UNITED KINGDOM	36	444					480	115
ISRAEL	64	298					362	0
JAPAN	810	902					1712	1114
TAIWAN	13	49					62	0
ALL OTHER COUNTRIES[c]	75	51					126	167
TOTAL N.C. YARN	**2848**	**3468**					**6316**	**3061**
NONCELLULOSIC STAPLE+TOW								
CANADA	278	400					678	749
MEXICO	1197	475					1672	204
BELGIUM	6	72					78	60
FRANCE	1250	340					1590	413
GERMANY, FED. REP. OF	936	1250					2186	1482
ITALY	421	1918					2339	81
NETHERLANDS	0	38					38	230
UNITED KINGDOM	233	736					969	445
AUSTRALIA	0	91					91	0
ISRAEL	0	55					55	0
JAPAN	933	513					1446	1049
REP. OF KOREA	0	40					40	0
TAIWAN	381	449					830	810
ALL OTHER COUNTRIES	0	0					0	216
TOTAL N.C. STAPLE	**5635**	**6377**					**12012**	**5739**

Other countries supplying 1983 poundages are:

a. Brazil 30, France 25, Taiwan 1, United Kingdom 10 and Yugoslavia 22.

b. German Dem. Rep. 1 and Taiwan 27.

c. Australia 10, Austria 7, Belgium 2, Iceland 16, Ireland 29, Rep. of Korea 13, Netherlands 35, Portugal 3 and Sweden 11.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/83	1983						2 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1983	1982
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	129	72					201	5
OTHER	310.0130 & .0230[a]	355	866					1221	1442
MONOFILAMENTS	309.0310 & .0610	0	0					0	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12					12	0
SUBTOTAL ABOVE		**484**	**950**					**1434**	**1449**
STAPLE	309.4320 & .4325	553	818					1371	1919
GROUPED FILAMENTS	309.3010 & .3110	30	70					100	176
SUBTOTAL ABOVE		**583**	**888**					**1471**	**2095**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0					41	0
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	284	338					622	597
- POLYESTER	310.0110 & .0210	79	40					119	274
- OTHER	310.0114 & .0214	853	364					1217	58
OTHER - NYLON	310.0149 & .0249	305	1337					1642	322
- POLYESTER	310.0150 & .0250	962	998					1960	1742
- OTHER	310.0170 & .0270[b]	158	268					426	245
MONOFILAMENTS	309.0200 & .0330[c]	155	108					263	279
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15					67	44
SUBTOTAL ABOVE		**2848**	**3468**					**6316**	**3061**
STAPLE - NYLON	309.4338	1176	2537					3713	601
POLYESTER	309.4342	1522	360					1882	1004
ACRYLIC	309.4345	643	784					1427	1000
OLEFIN	309.4346	106	3					109	31
OTHER	309.4355	796	661					1457	1191
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	1052	1073					2125	990
POLYESTER	309.3040 & .3140	--	4					4	0
ACRYLIC	309.3050 & .3150	324	881					1205	673
OTHER	309.3065 & .3165	16	74					90	249
SUBTOTAL ABOVE		**5635**	**6377**					**12012**	**5739**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344					2541	3529
- POLYESTER	309.6630	572	1339					1911	2173
- ACRYLIC	309.6645	45	130					175	184
- OTHER	309.6660	266	130					396	662
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0					0	20
OTHER WASTE, ADVANCED	309.7525 - .7555	280	161					441	67
SUBTOTAL ABOVE		**2360**	**3104**					**5464**	**6635**
TOTAL MAN-MADE ABOVE		**11951**	**14787**					**26738**	**18979**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0					0	0
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626					1216	517
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0					41	6
NONCELLULOSIC	310.1050 & .1070[g]	221	184					405	218
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	50					99	28
- OTHER	310.4015 & .4027[i]	2220	1846					4066	2823
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193					568	294
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	268					497	369
SLIVER, TOPS & ROVING	309.9000	352	326					678	743
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604					2749	2829
GRAND TOTAL ABOVE		**17173**	**19884**					**37057**	**26806**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1983	1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**	**15.7**	**20.4**				**51.2**	**53.7**
NYLON[e] · INDUSTRIAL[f]	20.8	23.5	25.7				70.0	86.9
· LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9				7.8	7.5
· CARPET	45.4	48.4	56.3				150.1	129.6
· TEXTILE	27.8	30.4	34.3				92.5	84.4
POLYESTER · INDUSTRIAL[f]	24.0	23.6	25.4				73.0	74.8
· LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0				5.6	5.6
· TEXTILE	73.9	82.8	90.6				247.3	251.7
OLEFIN[h]	39.9	43.7	48.7				132.3	151.5
TOTAL NONCELLULOSIC ABOVE[i]	**236.2**	**256.5**	**285.9**				**778.6**	**792.0**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**	**26.6**	**30.9**				**87.0**	**91.0**
NYLON[e]	64.8	63.5	71.0				199.3	146.0
ACRYLIC+MODACRYLIC	49.3	52.2	59.9				161.4	154.5
POLYESTER	154.2	172.1	191.4				517.7	523.7
OLEFIN+VINYON	11.4	14.3	14.7				40.4	29.9
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**				**918.8**	**854.1**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**	**10.0**	**9.8**				**9.8**	**13.5**
NYLON[e] · INDUSTRIAL[f]	26.4	24.1	23.3				23.3	33.1
· LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4				4.4	4.1
· CARPET	54.2	53.6	51.3				51.3	55.5
· TEXTILE	40.5	39.2	38.8				38.8	51.1
POLYESTER · INDUSTRIAL[f]	27.2	27.8	27.7				27.7	25.2
· LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4				3.4	3.8
· TEXTILE	66.8	69.2	64.8				64.8	93.4
OLEFIN[h]	57.1	56.9	53.2				53.2	64.5
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**266.9**				**266.9**	**330.7**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**31.2**	**31.5**				**31.5**	**36.3**
NYLON[e]	52.0	54.9	57.0				57.0	59.3
ACRYLIC+MODACRYLIC	60.2	61.4	56.0				56.0	60.2
POLYESTER	178.4	174.2	162.1				162.1	189.2
OLEFIN+VINYON	19.2	17.8	17.6				17.6	31.6
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**				**292.7**	**340.3**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	10.8						10.8	11.9
CARPET CLASS WOOL	1.0						1.0	0.7
TOTAL RAW WOOL	11.8						11.8	12.6
RAW COTTON	213.2	228.5					441.7	405.8

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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Textile Organon

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MONTHLY REVIEW

Highlights

May 1983 Polyester Textile Yarn Capacity Rose to 1,270 Million Pounds . . . see page 71.

May 1983 Textile Glass Fiber Capacity Dropped to 1,630 Million Pounds . . . see page 70.

First Quarter Domestic Shipments of Noncellulosic Yarn+Monofilaments Increased to 732.5 Million Pounds . . . see page 72.

***Textile Organon** Feature*

1982 Per Capita Consumption Review . . . begins page 66.

Shipments of nylon yarn to the carpet trades rose in April; these shipments have risen every month this year.

Polyester textile yarn shipments rose to the highest level since October 1981, but April shipments of polyester industrial yarn remained unchanged from March, and shipments of olefin yarn+monofilaments fell marginally.

Nylon staple+tow shipments rose in April, but shipments of acrylic+modacrylic fell.

Shipments of polyester staple+tow fell in April, but shipments of olefin+vinyon staple+tow rose to the highest level yet recorded this year.

ITEM	1983		%[a]	1982	%[b]	YEAR TO DATE		%[c]
	APRIL	MAR		APRIL		1983	1982	
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**18.8**	**20.4**	*-7.8*	**19.4**	*-3.1*	**70.0**	**73.1**	*-4.2*
NYLON[d] INDUSTRIAL	25.9	25.7	*+0.8*	30.8	*-15.9*	95.9	117.7	*-18.5*
LOW DENIER INDUSTRIAL	2.5	2.9	*-13.8*	2.5		10.3	10.0	*+3.0*
CARPET	60.2	56.3	*+6.9*	46.1	*+30.6*	210.3	175.7	*+19.7*
TEXTILE	33.3	34.3	*-2.9*	28.4	*+17.2*	125.8	112.8	*+11.5*
POLYESTER INDUSTRIAL	25.4	25.4		26.3	*-3.4*	98.4	101.1	*-2.7*
LOW DENIER INDUSTRIAL	2.1	2.0	*+5.0*	1.9	*+10.5*	7.7	7.5	*+2.7*
TEXTILE	93.1	90.6	*+2.8*	88.2	*+5.5*	340.4	339.9	*+0.1*
OLEFIN	48.4	48.5	*-0.2*	49.3	*-1.8*	183.5	200.8	*-8.6*
TOTAL NONCELLULOSIC ABOVE	**290.9**	**285.7**	*+1.8*	**273.5**	*+6.4*	**1072.3**	**1065.5**	*+0.6*
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**30.9**	*-4.2*	**29.0**	*+2.1*	**116.6**	**120.0**	*-2.8*
NYLON[d]	76.6	71.0	*+7.9*	55.9	*+37.0*	275.9	201.9	*+36.6*
ACRYLIC+MODACRYLIC	59.5	59.9	*-0.7*	52.7	*+12.9*	220.9	207.2	*+6.6*
POLYESTER	181.2	191.4	*-5.3*	161.7	*+12.1*	698.9	685.4	*+2.0*
OLEFIN+VINYON	15.2	14.7	*+3.4*	10.8	*+40.7*	55.6	40.7	*+36.6*
TOTAL NONCELLULOSIC ABOVE	**332.5**	**337.0**	*-1.3*	**281.1**	*+18.3*	**1251.3**	**1135.2**	*+10.2*

-- means no change.
a. Percent change from previous month to current month.
b. Percent change to current month from same month last year.
c. Percent change from cumulative total last year to cumulative total this year.
d. 1983 data for Nylon exclude Aramid, but Aramid is included in 1982.
Also see footnotes on page 77 of this issue.

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Textile Organon

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*See page 70

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1982 Per Capita Consumption Review

Per capita consumption of man-made fiber dropped in 1982 to 32.5 lbs., off from the 37.8-lb level of 1981. Per capita consumption of cotton fell to 10.7 lbs. and wool to 0.5 lb.

The U.S. population grew 1% in 1982 to 232.0 million people. But this increase compares with a drop of total per capita fiber consumption of 13% in 1982 to 43.7 lbs.

Concurrently, the per capita gross national product (goods produced) fell 5% to $2,849, while per capita consumption of imports of man-made fiber manufactures increased 7% to 3.0 lbs.

Man-made fiber apparel imports accounted for 70% of all imports of man-made fiber manufactures.

In the following feature (pages 67-69), 1982 is described in terms of gross national product (goods produced only), U.S. population and consumption of man-made fiber, cotton & wool. For comparison purposes, a per capita analysis is supplied for GNP and consumption of man-made fiber, cotton & wool. In addition, data depicting the imports of the latter manufactures are shown in relation to the domestic consumption of fiber.

U.S. POPULATION, GROSS NATIONAL PRODUCT (GOODS PRODUCED) [a] & PER CAPITA GROSS NATIONAL PRODUCT

YEAR	POPULATION[b]	GNP	PER CAPITA[c]
1970	205.1	486.9	2,374
1971	207.7	497.2	2,394
1972	209.9	529.6	2,523
1973	211.9	572.3	2,701
1974	213.9	562.5	2,630
1975	216.0	547.4	2,534
1976	218.0	587.2	2,694
1977	220.2	628.1	2,852
1978	222.6	662.0	2,974
1979	225.1	677.7	3,011
1980	227.7	667.9	2,933
1981	229.8	689.5	3,000
1982	232.0	661.1	2,849

Source: *1983 Economic Report of the President*

a. In billions of 1972 dollars.

b. In millions.

c. In dollars.

U.S. AVERAGE ANNUAL FIBER AVAILABLE FOR CONSUMPTION - POUNDS

PERIOD[a]	POPULATION	PER CAPITA MAN-MADE FIBER	COTTON	WOOL	TOTAL
1920-1924	110.2	0.2	23.8	4.0	28.0
1925-1929	118.9	0.7	26.0	3.6	30.3
1930-1934	124.9	1.4	20.5	2.6	24.5
1935-1939	129.1	2.7	24.9	3.4	31.0
1940-1944	135.1	4.7	35.1	4.5	44.3
1945-1949	144.2	6.6	28.0	4.8	39.4
1950-1954	157.6	9.0	26.9	3.8	39.7
1955-1959	171.9	10.3	23.7	3.0	37.0
1960-1964	186.4	12.9	22.6	3.0	38.5
1965-1969	198.6	22.9	23.0	2.5	48.4
1970-1974	209.7	35.1	18.9	1.2	55.2
1975-1979	220.4	39.5	15.6	0.9	56.0
1965	194.2	18.3	23.9	2.9	45.1
1966	196.5	20.2	25.1	2.7	48.0
1967	198.7	21.4	23.5	2.2	47.1
1968	200.7	26.7	21.9	2.4	51.0
1969	202.7	27.9	20.9	2.2	51.0
1970	205.1	27.7	19.7	1.7	49.1
1971	207.7	32.9	20.4	1.3	54.6
1972	209.9	37.5	19.9	1.3	58.7
1973	211.9	41.7	18.3	1.0	61.0
1974	213.9	35.9	16.0	0.7	52.6
1975	216.0	34.7	14.9	0.7	50.3
1976	218.0	37.5	16.9	0.9	55.3
1977	220.2	41.1	15.8	0.9	57.8
1978	222.6	42.4	15.8	1.0	59.2
1979	225.1	41.6	14.8	0.9	57.3
1980	227.7	37.5	14.7	0.9	53.1
1981	229.8	37.8	11.9	0.7	50.4
1982	232.0	32.5	10.7	0.5	43.7

a. Five year averages for 1920-1979 and annual data for 1965-1982.

Column 41. U.S. population as of July first; 1950 forward data include Alaska and Hawaii. Puerto Rico is excluded.

MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	ESTER[c]	ACRYLIC[d]	OLEFIN	GLASS	COTTON	WOOL	TOTAL
1970	0.9	0.5	1.3	1.6	0.5	0.2	0.4	3.8	0.3	**9.5**
1971	1.0	0.5	1.7	2.0	0.5	0.3	0.5	4.0	0.2	**10.7**
1972	1.0	0.4	2.1	2.5	0.6	0.4	0.6	3.9	0.2	**11.7**
1973	1.0	0.4	2.3	3.1	0.7	0.5	0.7	3.6	0.2	**12.5**
1974	0.8	0.3	2.0	2.9	0.6	0.5	0.6	3.3	0.1	**11.1**
1975	0.5	0.3	2.0	3.1	0.5	0.5	0.5	3.1	0.1	**10.6**
1976	0.6	0.3	2.1	3.3	0.6	0.5	0.7	3.4	0.1	**11.6**
1977	0.6	0.3	2.3	3.6	0.7	0.6	0.8	3.2	0.1	**12.2**
1978	0.6	0.3	2.5	3.7	0.6	0.7	0.9	3.0	0.1	**12.4**
1979	0.5	0.3	2.7	3.8	0.6	0.7	0.9	3.1	0.1	**12.7**
1980	0.5	0.3	2.3	3.5	0.6	0.7	0.9	3.1	0.1	**12.0**
1981	0.5	0.2	2.2	3.5	0.5	0.8	1.0	2.7	0.2	**11.6**
1982	0.3	0.2	1.9	2.9	0.5	0.8	0.9	2.5	0.1	**10.1**

a. Acetate includes triacetate. Cigarette tow is excluded.

b. Nylon includes aramid.

c. Ester means polyester.

d. Acrylic includes modacrylic.

ESTIMATED PER CAPITA CONSUMPTION BY FIBER

POUNDS

YEAR	RAYON	ACETATE	NYLON	POLYESTER	ACRYLIC	OLEFIN	GLASS	COTTON	WOOL	TOTAL
1970	4.4	2.4	7.4	8.2	2.4	1.0	1.9	19.7	1.7	49.1
1971	4.8	2.4	8.9	10.6	2.4	1.4	2.4	20.4	1.3	54.6
1972	4.8	1.9	10.2	12.9	2.9	1.9	2.9	19.9	1.3	58.7
1973	4.7	1.9	11.0	15.1	3.3	2.4	3.3	18.3	1.0	61.0
1974	3.7	1.4	9.3	13.6	2.8	2.3	2.8	16.0	0.7	52.6
1975	2.3	1.4	9.5	14.6	2.3	2.3	2.3	14.9	0.7	50.3
1976	2.7	1.4	9.8	15.4	2.7	2.3	3.2	16.9	0.9	55.3
1977	2.7	1.4	10.8	16.7	3.2	2.7	3.6	15.8	0.9	57.8
1978	2.7	1.3	11.6	17.0	2.7	3.1	4.0	15.8	1.0	59.2
1979	2.1	1.2	12.0	16.7	2.6	3.0	4.0	14.8	0.9	57.3
1980	2.1	1.3	9.6	15.0	2.6	3.0	3.9	14.7	0.9	53.1
1981	2.2	0.9	9.6	15.1	2.2	3.5	4.3	11.9	0.7	50.4
1982	1.3	0.9	8.3	12.6	2.1	3.4	3.9	10.7	0.5	43.7

PERCENT ANALYSIS OF POPULATION, PER CAPITA GNP (Goods Produced) AND PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

1970-1982

YEAR	POPULATION	%a	%b	PER CAPITA GNP	%a	%b	PER CAPITA CONSUMPTION MAN-MADE FIBER	%a	%b	PER CAPITA CONSUMPTION COTTON	%a	%b	PER CAPITA CONSUMPTION WOOL	%a	%b	PER CAPITA CONSUMPTION ALL FIBERS	%a	%b
1970	205.1			2,374			27.7			19.7			1.7			49.1		
1971	207.7	*+1.3*	*+1.3*	2,394	*+0.8*	*+0.8*	32.9	*+18.8*	*+18.8*	20.4	*+3.5*	*+3.5*	1.3	*-23.5*	*-23.5*	54.6	*+11.2*	*+11.2*
1972	209.9	*+1.1*	*+2.3*	2,523	*+5.4*	*+6.3*	37.5	*+14.0*	*+35.4*	19.9	*-2.5*	*+1.0*	1.3		*-23.5*	58.7	*+7.5*	*+19.5*
1973	211.9	*+0.9*	*+3.3*	2,701	*+7.0*	*+13.8*	41.7	*+11.2*	*+50.5*	18.3	*-8.0*	*-7.1*	1.0	*-23.1*	*-41.2*	61.0	*+3.9*	*+24.2*
1974	213.9	*+0.9*	*+4.3*	2,630	*-2.6*	*+10.8*	35.9	*-13.9*	*+29.6*	16.0	*-12.6*	*-18.8*	0.7	*-30.0*	*-58.8*	52.6	*-13.8*	*+7.1*
1975	216.0	*+1.0*	*+5.3*	2,534	*-3.7*	*+6.7*	34.7	*-3.3*	*+25.3*	14.9	*-6.9*	*-24.4*	0.7		*-58.8*	50.3	*-4.4*	*+2.4*
1976	218.0	*+0.9*	*+6.3*	2,694	*+6.3*	*+13.5*	37.5	*+8.1*	*+35.4*	16.9	*+13.4*	*-14.2*	0.9	*+28.6*	*47.1*	55.3	*+9.9*	*+12.6*
1977	220.2	*+1.0*	*+7.4*	2,852	*+5.9*	*+20.1*	41.4	*+10.4*	*+49.5*	15.8	*-6.5*	*-19.8*	0.9		*-47.1*	57.8	*+4.5*	*+17.7*
1978	222.6	*+1.1*	*+8.5*	2,974	*+4.3*	*+25.3*	42.4	*+2.4*	*+53.1*	15.8		*19.8*	1.0	*+11.1*	*-41.2*	59.2	*+2.4*	*+20.6*
1979	225.1	*+1.1*	*+9.7*	3,011	*+1.2*	*+26.8*	41.6	*-1.9*	*+50.2*	14.8	*-6.3*	*-24.9*	0.9	*-10.0*	*-47.1*	57.3	*-3.2*	*+16.7*
1980	227.7	*+1.1*	*+11.0*	2,933	*-2.6*	*+23.5*	37.5	*-9.8*	*+35.4*	14.7	*-0.7*	*-25.4*	0.9		*-47.1*	53.1	*-7.3*	*+8.1*
1981	229.8	*+0.9*	*+12.0*	3,000	*+2.3*	*+26.4*	37.8	*+0.8*	*+36.5*	11.9	*-19.0*	*-39.6*	0.7	*-22.2*	*-58.8*	50.4	*-5.1*	*+2.6*
1982	232.0	*+1.0*	*+13.1*	2,8[illegible]	*-5.0*	*+20.0*	32.5	*-14.0*	*+17.3*	10.7	*-10.1*	*-45.7*	0.5	*-28.6*	*-70.6*	43.7	*13.3*	*-11.0*

Population is in millions of people.
Per Capita GNP is in dollars.
All other Per Capita Consumption data are in pounds.
All data are taken from the tables on page xx.
a. Percent change year to year.
b. Percent change since 1970.

RAW FIBER EQUIVALENT OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

COMMODITY	MAN-MADE FIBER					COTTON					WOOL				
	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982	1978	1979	1980	1981	1982
IMPORTS															
SEMIMANUFACTURED PRODUCTS															
YARN, THREAD, ETC	59.7	37.5	30.2	34.9	38.2	30.8	12.4	19.4	24.1	28.5	6.1	4.2	4.2	5.0	7.7
CLOTH	109.6	81.6	81.4	106.2	105.7	299.9	236.7	258.4	350.3	266.5	25.8	21.7	21.1	27.8	25.6
SUBTOTAL	**169.3**	**119.1**	**111.6**	**141.1**	**143.9**	**330.7**	**249.1**	**277.8**	**374.4**	**295.0**	**31.9**	**25.9**	**25.3**	**32.8**	**33.3**
MANUFACTURED PRODUCTS															
WEARING APPAREL	425.6	359.8	378.6	437.1	486.5	430.2	426.3	463.8	504.0	510.5	44.9	39.2	41.7	40.9	46.4
INDUSTRIAL	0.1	0.1	0.1	0.3	1.1	6.7	5.6	10.1	8.8	10.0	NOMINAL POUNDAGES INCLUDED IN OTHER				
HOME FURNISHINGS	47.6	46.0	50.3	60.6	66.5	57.7	44.4	45.4	59.5	67.0	14.5	14.4	17.3	18.5	19.6
ALL OTHER						20.1	20.7	13.8	15.2	14.7	0.9	1.1	0.8	0.9	0.8
SUBTOTAL	**473.3**	**405.9**	**429.0**	**498.0**	**554.1**	**514.7**	**497.0**	**533.1**	**587.5**	**602.2**	**60.3**	**54.7**	**59.8**	**60.3**	**66.8**
TOTAL IMPORTS	**642.6**	**525.0**	**540.6**	**639.1**	**698.0**	**845.4**	**746.1**	**810.9**	**961.9**	**897.2**	**92.2**	**80.6**	**85.1**	**93.1**	**100.1**

All of these data are taken from the table on page 39, March 1983 *Textile Organon*.

PER CAPITA CONSUMPTION OF IMPORTS OF MAN-MADE FIBER, COTTON & WOOL MANUFACTURES AS COMPARED TO PER CAPITA CONSUMPTION OF MAN-MADE FIBER, COTTON & WOOL

POUNDS & *Percent*

YEAR	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MAN-MADE FIBER					COTTON					WOOL					MAN-MADE FIBER	%[a]	COTTON	%[a]	WOOL	%[a]
	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]						
1978	2.9		1.9		*65.5*	3.8		1.9		*50.0*	0.4	--	0.2	--	*50.0*	42.4	--	15.8	--	1.0	--
1979	2.3	*-20.7*	1.6	*-15.8*	*69.6*	3.3	*-13.2*	1.9		*57.6*	0.4	--	0.2	--	*50.0*	41.6	*-1.9*	14.8	*-6.3*	0.9	*-10.0*
1980	2.4	*+4.3*	1.7	*+6.2*	*70.8*	3.6	*+9.1*	2.0	*+5.3*	*55.5*	0.4	--	0.2	--	*50.0*	37.5	*-9.9*	14.7	*-0.7*	0.9	--
1981	2.8	*+16.7*	1.9	*+11.8*	*67.9*	4.2	*+16.7*	2.2	*+10.0*	*52.4*	0.4	--	0.2	--	*50.0*	37.8	*+0.8*	11.9	*-19.0*	0.7	*-22.2*
1982	3.0	*+7.1*	2.1	*+10.5*	*70.0*	3.9	*-7.1*	2.2		*56.4*	0.4	--	0.2	--	*50.0*	32.5	*-14.0*	10.7	*-10.1*	0.5	*-28.6*

-- Means no change.

a. Percent change from previous year.

b. Percent of total imports of semimanufactured & manufactured products.

End Of Textile Organon Feature.

U.S. MAN-MADE FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS & *Average Denier*

	CELLULOSIC FIBERS								NONCELLULOSIC FIBERS[a]			TEXTILE GLASS TOTAL[c]	GRAND TOTAL MAN-MADE FIBERS		
	FILAMENT YARN+MONOFIL				STAPLE+TOW										
		ACETATE[b]													
PERIOD	RAYON	LBS	*Den*	TOTAL	RAYON	ACETATE[b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL		YARN[d] +MONO	STAPLE +TOW	TOTAL
ACTUAL ANNUAL PRODUCTION															
1970	268	463		731	607	35	642	1373	1793	1793	3586	467	2991	2435	5426
1971	304	449		753	612	26	638	1391	2188	2105	4293	468	3409	2743	6152
1972	252	401		653	713	28	741	1394	2773	2583	5356	572	3998	3324	7322
1973	198	437		635	697	25	722	1357	3339	2970	6309	688	4662	3692	8354
1974	172	362		534	645	20	665	1199	3443	2780	6223	683	4660	3445	8105
1975	65	301		366	371	12	383	749	3209	2677	5886	546	4121	3060	7181
1976	68	287		355	475	11	486	841	3306	3320	6626	676	4337	3806	8143
1977	71	282		353	527	8	535	888	3674	3654	7328	787	4814	4189	9003
1978	62	301		363	535	7	542	905	3830	3953	7783	923	5116	4495	9611
1979	57	317		374	549	7	556	930	4155	4282	8437	1014	5543	4838	10381
1980	47	309		356	443	7	450	806	3744	4148	7892	867	4967	4598	9565
1981	48	257		305	461	4	465	770	3815	4191	8006	1041	5161	4656	9817
1982	33	195		228	355	1	356	584	3057	3403	6460	899	4184	3759	7943
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -															
NOV 1970[e]	360	494	NA	854	819	40	859	1713	2440	2422	4862	657	3951	3281	7232
NOV 1971[e]	337	490	NA	827	757	30	787	1614	2796	2620	5416	696	4319	3407	7726
NOV 1972[e]	235	486	NA	721	761	30	791	1512	3362	3034	6396	721	4804	3825	8629
NOV 1973[e]	224	473	NA	697	768	28	796	1493	3738	3302	7040	739	5174	4098	9272
NOV 1974[e]	172	449	NA	621	724	28	752	1373	4175	3584	7759	821	5617	4336	9953
NOV 1975[e]	100	384	NA	484	737	18	755	1239	4640	3796	8436	909	6033	4551	10584
NOV 1976[e]	85	399	NA	484	691	18	709	1193	4878	4254	9132	893	6255	4963	11218
NOV 1977[e]	85	315	*89*	400	655	8	663	1063	4974	4394	9368	1002	6376	5057	11433
NOV 1978[e]	83	330	*87*	413	665	8	673	1086	5000	4571	9571	1118	6531	5244	11775
NOV 1979[e]	75	355	*89*	430	671	8	679	1109	5126	4678	9804	1305	6861	5357	12218
NOV 1980[e]	63	324	*88*	387	514	8	522	909	4933	4714	9647	1473	6793	5236	12029
NOV 1981[e]	52	332	*95*	384	509	5	514	898	4766	4950	9716	1561	6711	5464	12175
NOV 1982[e]	63	318	*96*	381	510	4	514	895	4583	4781	9364	1718	6682	5295	11977
MAY 1983[e]	63	318	*96*	381	510	4	514	895	4586	4800	9386	1630	6597	5314	11911
NOV 1983[f]	63	318	*96*	381	510	4	514	895	4584	4810	9394	1621	6586	5324	11910
MAY 1984[f]	63	318	*96*	381	510	4	514	895	4577	4933	9510	1737	6695	5447	12142
NOV 1984[f]	63	318	*96*	381	510	4	514	895	4594	4960	9554	1748	6723	5474	12197
MAY 1985[f]	63	318	*96*	381	510	4	514	895	4637	4989	9626	1749	6767	5503	12270

a The noncellulosic fibers included are those listed in the September *Organon* issues each year, with the exception of Aramid fiber as of May 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b The acetate production and producing capacity data include diacetate and triacetate. The acetate staple+tow data do not include the large poundages for cigarette filtration.

c. Textile glass fiber, all types.

d. Grand Total Yarn means the yarn+mono shown **plus** all textile glass fiber.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of May 1983.

ANNOUNCEMENT

The 1982 Textile Fiber End Use Survey will appear in the September issue of the ***Textile Organon***. Previously, the end use survey appeared in the November issue of the ***Organon*** each year.

As a service to our readers, the earlier publication of this survey will permit the more timely use of these crucial data.

The U.S. listing of man-made fiber producers, normally found in September, will now appear in November.

NONCELLULOSIC FIBER CAPACITY DETAIL

MILLION POUNDS & *Average Denier*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER												STAPLE, TOW & FIBERFILL					NON-CELLU-LOSIC TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN[a]										
PERIOD	IND	CARP	TEXTILE		IND	TEXTILE		YARN	MONO[b]	FILM[b]	OTHER[c]	TOTAL	NYLON + ARAMID	ACRYL +MOD-ACRYL	POLY-ESTER	OLEFIN + VINYON	TOTAL	
NOV 1970[d]	480	428	569	NA	294	316	NA	110	119	106	18	2440	280	659	1370	113	2422	4862
NOV 1971[d]	463	531	522	NA	337	559	NA	89	163	113	19	2796	460	698	1355	107	2620	5416
NOV 1972[d]	469	626	559	NA	364	892	NA	96	177	159	20	3362	602	754	1571	107	3034	6396
NOV 1973[d]	466	707	534	NA	385	1118	NA	106	214	190	18	3738	701	787	1709	105	3302	7040
NOV 1974[d]	483	770	552	NA	403	1351	NA	125	254	221	16	4175	757	824	1899	104	3584	7759
NOV 1975[d]	503	786	553	NA	391	1576	NA	168	313	334	16	4640	827	827	2021	121	3796	8436
NOV 1976[d]	519	787	552	*54*	442	1701	*133*	178	312	371	16	4878	910	869	2355	120	4254	9132
NOV 1977[d]	523	829	558	*55*	443	1698	*126*	173	336	398	16	4974	939	869	2470	116	4394	9368
NOV 1978[d]	510	908	565	*53*	443	1643	*116*	174	347	394	16	5000	1023	865	2554	129	4571	9571
NOV 1979[d]	513	950	579	*51*	443	1699	*114*	172	342	408	20	5126	1020	839	2673	146	4678	9804
NOV 1980[d]	515	910	551	*52*	400	1637	*113*	120	350	430	20	4933	991	830	2759	134	4714	9647
NOV 1981[d]	514	893	553	*49*	316	1481	*114*	178	356	455	20	4766	1010	835	2839	266	4950	9716
NOV 1982[d]	474	925	513	*53*	338	1265	*119*	209	369	460	30	4583	978	832	2700	271	4781	9364
MAY 1983[d]	440	940	495	*53*	339	1270	*123*	229	373	470	30	4586	986	832	2713	269	4800	9386
NOV 1983[e]	440	950	491	*53*	339	1234	*123*	251	375	474	30	4584	986	840	2713	271	4810	9394
MAY 1984[e]	440	951	485	*53*	344	1207	*122*	262	378	480	30	4577	1051	842	2754	286	4933	9510
NOV 1984[e]	440	951	485	*53*	344	1207	*122*	277	378	482	30	4594	1069	842	2754	295	4960	9554
NOV 1985[e]	440	976	485	*53*	349	1207	*122*	285	381	484	30	4637	1069	842	2774	304	4989	9626

NOTE: As of the May 1983 survey, nylon capacity data no longer include Aramid fiber.

IND means industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more; **CARP** means bulked continuous filament yarn for carpets; **TEXTILE** means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Olefin monofil includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Other yarn & monofil is chiefly saran and spandex. Aramid data are included with nylon.

d. Actual producing capacity as of date shown.

e. Future producing capacity planned for certain & dates as of May 1983.

U.S. MAN-MADE FIBER PRODUCING CAPACITY

In May, the U.S. man-made fiber producing industry had the capacity to produce 11,911 million pounds of fiber per year. This was a decrease of ½% from the capacity in place last November. However, capacity is planned to increase 3% by May 1985 to 12,270 million pounds.

Cellulosic fiber capacity is expected to change very little over the next two years. Current capacity of 895 million pounds is planned to remain at that level through May 1985.

Noncellulosic fiber capacity (excluding textile glass fiber) is slated for an increase of 2½%, or 240 million pounds, over the next two years.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the page 70 table cover the man-made fibers in all their primary forms, i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn & strand, staple yarn & sliver, roving & cake, chopped & milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. The textile glass data are included with the filament yarn totals. The "capacity" to produce waste is ***not*** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is ***emphasized*** that all figures refer to ***current and planned*** capacity. ***They are not to be interpreted as a production forecast.***

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. On the other hand, equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. Put another way, the capacity data reflect ***potential,*** rather than ***operating,*** capacity.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1982 1ST Q	1982 2ND Q	1982 3RD Q	1982 4TH Q	1982 YEAR	1983 1ST Q	1983 2ND Q	1983 3RD Q	1983 4TH Q	1983 YEAR	1984 1ST Q	1984 2ND Q	1984 3RD Q	1984 4TH Q	1984 YEAR
YARN+MONOFILAMENTS[a]															
ACETATE															
PRODUCTION	52.9	53.0	46.1	43.2	195.2	50.3									
SHIPMENTS DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1									
EXPORT	8.8	6.2	8.5	6.3	29.8	7.1									
TOTAL	53.7	53.3	48.0	43.8	198.8	51.2									
ENDING STOCK	13.5	13.2	11.3	10.7		9.8									
NYLON[b]															
PRODUCTION	299.9	309.0	312.1	320.6	1241.6	312.0									
SHIPMENTS DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0									
EXPORT	26.8	23.8	26.0	25.5	102.1	25.4									
TOTAL	308.4	320.3	318.7	320.3	1267.7	320.4									
ENDING STOCK	143.8	132.5	125.9	126.2		117.8									
OLEFIN[c]															
PRODUCTION	154.3	146.9	142.6	141.4	585.2	137.4									
SHIPMENTS DOMESTIC	146.8	145.0	144.5	140.7	577.0	131.2									
EXPORT	4.7	3.3	3.1	4.2	15.3	3.9									
TOTAL	151.5	148.3	147.6	144.9	592.3	135.1									
ENDING STOCK	64.5	63.1	58.1	54.6		56.9									
POLYESTER															
PRODUCTION	331.5	318.1	280.5	283.5	1213.6	322.8									
SHIPMENTS DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3									
EXPORT	34.9	35.8	19.2	12.9	102.8	19.6									
TOTAL	332.1	328.3	286.2	291.0	1237.6	325.9									
ENDING STOCK	122.4	112.2	106.5	99.0		95.9									
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	785.7	774.0	735.2	745.5	3040.4	772.2									
SHIPMENTS DOMESTIC	725.6	734.0	704.2	713.6	2877.4	732.5									
EXPORT	66.4	62.9	48.3	42.6	220.2	48.9									
TOTAL	792.0	796.9	752.5	756.2	3097.6	781.4									
ENDING STOCK	330.7	307.8	290.5	279.8		270.6									
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	732.5									
IMPORTS TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7									
OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6									
MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4									
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7									
TOTAL AVAILABLE	730.8	740.1	712.4	723.9	2907.2	744.2									
TEXTILE GLASS FIBER															
PRODUCTION	207.6	209.8	241.0	240.8	899.2	245.1									
SHIPMENTS DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6									
EXPORT	11.5	10.3	11.2	9.9	42.9	8.4									
TOTAL	202.0	225.1	239.0	238.3	904.4	255.0									
ENDING STOCK	151.8	136.5	138.5	141.0		131.1									
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8									
TOTAL AVAILABLE	194.3	218.0	231.5	231.8	875.6	251.4									

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

[a] Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 36 & 37 of the March 1983 issue for further details on these yarns.

[b] Nylon includes Aramid in 1982.

[c] Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

[d] Yarn imports include singles and plied.

[e] Acetate staple+tow data are available annually only; see pages 36 & 37 of the March 1983 issue for further details.

[f] These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[c]									
RAYON															
PRODUCTION	96.2	86.7	87.8	84.3	355.0	92.6									
SHIPMENTS DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1									
EXPORT	13.4	16.8	15.3	21.0	66.5	6.9									
TOTAL	91.0	86.6	87.4	95.2	360.2	87.0									
ENDING STOCK	36.3	36.4	36.8	25.9		31.5									
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1									
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1									
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2									
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3									
TOTAL AVAILABLE	81.4	72.6	76.2	76.9	307.1	82.4									
NYLON[b]															
PRODUCTION	140.5	169.3	191.1	184.1	685.0	196.4									
SHIPMENTS DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0									
EXPORT	4.1	4.2	3.1	5.2	16.6	3.3									
TOTAL	146.0	175.0	188.9	180.0	689.9	199.3									
ENDING STOCK	59.3	53.6	55.8	59.9		57.0									
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6									
TOTAL AVAILABLE	142.9	171.5	190.8	179.6	684.8	201.6									
ACRYLIC+MODACRYLIC															
PRODUCTION	149.6	171.1	158.5	144.9	624.1	160.4									
SHIPMENTS DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1									
EXPORT	46.4	41.5	42.7	43.7	174.3	41.3									
TOTAL	154.5	169.4	156.3	152.0	632.2	161.4									
ENDING STOCK	60.2	61.9	64.1	57.0		56.0									
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3									
TOTAL AVAILABLE	110.1	129.2	115.3	111.2	465.8	122.4									
OLEFIN+VINYON															
PRODUCTION	35.8	30.8	37.6	34.0	138.2	37.9									
SHIPMENTS DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7									
EXPORT	0.6	0.6	1.6	2.1	4.9	0.7									
TOTAL	29.9	40.5	38.0	35.4	143.8	40.4									
ENDING STOCK	31.6	21.9	21.5	20.1		17.6									
POLYESTER															
PRODUCTION	538.7	459.6	447.4	509.5	1955.2	492.0									
SHIPMENTS DOMESTIC	437.3	445.3	428.9	456.0	1767.5	484.1									
EXPORT	86.4	28.3	25.8	33.6	174.1	33.6									
TOTAL	523.7	473.6	454.7	489.6	1941.6	517.7									
ENDING STOCK	189.2	175.2	167.9	187.8		162.1									
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8									
TOTAL AVAILABLE	439.2	447.0	430.7	457.9	1774.8	486.9									
TOTAL NONCELLULOSIC															
PRODUCTION	864.6	830.8	834.6	872.5	3402.5	886.7									
SHIPMENTS DOMESTIC	716.6	783.9	764.7	772.4	3037.6	839.9									
EXPORT	137.5	74.6	73.2	84.6	369.9	78.9									
TOTAL	854.1	858.5	837.9	857.0	3407.5	918.8									
ENDING STOCK	340.3	312.6	309.3	324.8		292.7									
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	839.9									
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7									
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7									
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4									
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8									
TOTAL AVAILABLE	726.2	794.5	780.1	788.0	3088.8	858.7									

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983						3 MONTHS	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUNE	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	0	30	30				60	28
CANADA	208	341	88				637	15
MEXICO	73	52	16				141	388
AUSTRIA	41	289	219				549	20
GERMANY, FED. REP. OF	93	103	134				330	995
NETHERLANDS	11	71	43				125	180
JAPAN	18	6	60				84	98
REP. OF KOREA	40	0	0				40	0
ALL OTHER COUNTRIES[a]	0	58	3				61	227
TOTAL CELL. YARN	**484**	**950**	**593**				**2027**	**1951**
CELLULOSIC STAPLE+TOW								
CANADA	442	346	225				1013	513
AUSTRIA	0	158	95				253	1086
FRANCE	0	0	56				56	55
SWEDEN	0	187	213				400	1335
UNITED KINGDOM	2	0	64				66	227
JAPAN	134	174	151				459	307
ALL OTHER COUNTRIES[b]	5	23	0				28	363
TOTAL CELL. STAPLE	**583**	**888**	**804**				**2275**	**3886**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	752	426	734				1912	552
MEXICO	17	289	421				727	3
FRANCE	157	210	165				532	321
GERMANY, FED. REP. OF	636	574	397				1607	1238
ITALY	88	11	37				136	201
SPAIN	153	92	31				276	0
SWITZERLAND	47	122	74				243	8
UNITED KINGDOM	36	444	173				653	153
ISRAEL	64	298	74				436	0
JAPAN	810	902	590				2302	1577
TAIWAN	13	49	25				87	0
ALL OTHER COUNTRIES[c]	75	51	27				153	188
TOTAL N.C. YARN	**2848**	**3468**	**2748**				**9064**	**4241**
NONCELLULOSIC STAPLE+TOW								
CANADA	278	400	491				1169	1613
MEXICO	1197	475	437				2109	261
BELGIUM	6	72	2				80	61
FRANCE	1250	340	687				2277	857
GERMANY, FED. REP. OF	936	1250	1941				4127	2457
ITALY	421	1918	608				2947	234
NETHERLANDS	0	38	49				87	288
UNITED KINGDOM	233	736	816				1785	704
AUSTRALIA	0	91	0				91	0
ISRAEL	0	55	57				112	1
JAPAN	933	513	1174				2620	1559
REP. OF KOREA	0	40	0				40	0
TAIWAN	381	449	524				1354	1246
ALL OTHER COUNTRIES[d]	0	0	7				7	284
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**				**18805**	**9565**

Other countries supplying 1983 poundages are:

a. France 25, Italy 3, Taiwan 1, United Kingdom 10 and Yugoslavia 22.

b. German Dem. Rep. 1 and Taiwan 27.

c. Australia 10, Austria 7, Belgium 2, Iceland 16, Ireland 35, Rep. of Korea 16, Netherlands 46, Portugal 7 and Sweden 14.

d. Austria 1 and Portugal 6.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1983						3 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1983	1982
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	129	72	5				206	33
OTHER	310.0130 & .0230[a]	355	866	585				1806	1916
MONOFILAMENTS	309.0310 & .0610	0	0	0				0	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12	3				15	0
SUBTOTAL ABOVE		**484**	**950**	**593**				**2027**	**1951**
STAPLE	309.4320 & .4325	553	818	740				2111	3542
GROUPED FILAMENTS	309.3010 & .3110	30	70	64				164	344
SUBTOTAL ABOVE		**583**	**888**	**804**				**2275**	**3886**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41				82	64
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	284	338	271				893	722
- POLYESTER	310.0110 & .0210	79	40	1				120	281
- OTHER	310.0114 & .0214	853	364	674				1891	127
OTHER - NYLON	310.0149 & .0249	305	1337	744				2386	600
- POLYESTER	310.0150 & .0250	962	988	637				2597	1610
- OTHER	310.0170 & .0270[b]	158	268	244				670	385
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144				407	436
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15	33				100	80
SUBTOTAL ABOVE		**2848**	**3468**	**2748**				**9064**	**4242**
STAPLE - NYLON	309.4338	1176	2537	1854				5567	1001
- POLYESTER	309.4342	1522	361	934				2817	1937
- ACRYLIC	309.4345	643	784	879				2306	1962
- OLEFIN	309.4346	106	3	203				312	32
OTHER	309.4355	796	660	929				2385	1772
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	1052	1072	1502				3626	1335
POLYESTER	309.3040 & .3140	+	5	6				11	17
ACRYLIC	309.3050 & .3150	324	881	416				1621	1226
OTHER	309.3065 & .3165	16	74	70				160	283
SUBTOTAL ABOVE		**5635**	**6377**	**6793**				**18805**	**9565**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092				4633	5367
- POLYESTER	309.6630	572	1339	909				2820	3753
- ACRYLIC	309.6645	45	130	0				175	193
- OTHER	309.6660	266	129	118				513	909
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0				0	20
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399				841	93
SUBTOTAL ABOVE		**2360**	**3104**	**3518**				**8982**	**10335**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**				**41235**	**30042**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0	0				0	+
- NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603				1819	850
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0	3				44	73
- NONCELLULOSIC	310.1050 & .1070[g]	221	184	567				972	231
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84				182	46
- OTHER	310.4015 & .4027[i]	2220	1846	2421				6487	4197
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325				893	484
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257				755	557
SLIVER, TOPS & ROVING	309.9000	352	326	667				1345	944
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008				4757	3840
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**				**58489**	**41264**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1982					1983				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
CELLULOSIC FIBERS											
FILAMENT YARN[a]											
TEXTURED	310.0006	132	72	34	164	402	74				
OTHER[b]	310.0026	7194	4450	5912	4062	21618	5019				
MONOFILAMENTS	309.0110	2	9	1	3	15	11				
STRIPS	309.2210	66	5	32	2	105	0				
SUBTOTAL ABOVE		**7394**	**4536**	**5979**	**4231**	**22140**	**5104**				
STAPLE+TOW - RAYON	309.4222	13772	14001	16905	18693	63371	7979				
STAPLE - ACETATE	309.4219	919	931	551	1241	3642	593				
SUBTOTAL ABOVE		**14691**	**14932**	**17456**	**19934**	**67013**	**8572**				
WASTE, ADVANCED & NOT ADVANCED	309.7400	1007	1262	385	539	3193	361				
NONCELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	310.0008 & .0009	9779	9643	11021	8986	39429	10913				
- HIGH TENACITY[c]	310.0027	13520	12582	10156	12138	48396	14240				
- OTHER	310.0029	3785	3340	1801	2863	11789	3587				
POLYESTER - TEXTURED	310.0010	63471	71864	26029	21571	182935	22202				
- HIGH TENACITY[c]	310.0032	5134	3747	2726	2145	13752	3369				
- OTHER[d]	310.0034	2902	4506	1611	1160	10179	1123				
OTHER - TEXTURED	310.0014	3235	2847	4117	5453	15652	3147				
- OLEFIN	310.0040	224	447	166	287	1124	246				
- OTHER	310.0044	1371	1327	508	685	3891	715				
MONOFILAMENTS, ALL DENIERS											
NYLON	309.0120	1142	1119	695	1468	4424	797				
POLYESTER[e]	309.0140	1919	700	1065	558	4242	540				
OTHER	309.0170	2085	2025	1880	2195	8185	2501				
STRIPS	309.2220 & .2270	799	634	620	313	2366	104.7				
SUBTOTAL ABOVE		**109366**	**114781**	**62395**	**59822**	**346364**	**64427**				
STAPLE - NYLON	309.4240	4018	3694	3459	4203	5374	3438				
- POLYESTER	309.4242	90356	30164	32374	36690	189584	30316				
- ACRYLIC	309.4245	32810	31987	31585	30235	126617	32262				
- OLEFIN	309.4246	522	948	2668	3478	7616	845				
- OTHER	309.4247	4395	4436	2813	3766	15410	3446				
GROUPED FILAMENTS											
NYLON	309.3220	1539	1313	1174	940	4966	691				
POLYESTER[d]	309.3240	9528	6684	6780	5141	28133	9453				
ACRYLIC	309.3250 & .3255	5472	6363	6168	5319	23322	8204				
SUBTOTAL ABOVE		**148640**	**85589**	**87021**	**89772**	**411022**	**88655**				
WASTE, ADVANCED & NOT ADVANCED											
NYLON	309.7620	3542	2759	1291	4214	11806	1737				
POLYESTER	309.7630	17204	14920	8281	10498	50903	11042				
ACRYLIC	309.7640	574	651	228	260	1713	276				
OTHER	309.7660	7146	5564	3939	5005	21654	4930				
SUBTOTAL ABOVE		**28466**	**23894**	**13739**	**19977**	**86076**	**17985**				
TOTAL MAN-MADE FIBER ABOVE		**309564**	**244994**	**186975**	**194275**	**935808**	**185104**				
TEXTILE GLASS FIBER	309.2700 & .9700	11318	11981	11246	9169	43714	10333				
GRAND TOTAL ABOVE		**320882**	**256975**	**198221**	**203444**	**979522**	**195437**				

SOURCE: U.S. Census Bureau Report EM546.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

	1983						YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	1983	1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**			**70.0**	**73.1**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9			95.9	117.7
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5			10.3	10.0
CARPET	45.4	48.4	56.3	60.2			210.3	175.7
TEXTILE	27.8	30.4	34.3	33.3			125.8	112.8
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4			98.4	101.1
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1			7.7	7.5
TEXTILE	73.9	82.8	90.6	93.1			340.4	339.9
OLEFIN[h]	41.4	45.2	48.5	48.4			183.5	200.8
TOTAL NONCELLULOSIC ABOVE[i]	**237.7**	**258.0**	**285.7**	**290.9**			**1072.3**	**1065.5**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**	**26.6**	**30.9**	**29.6**			**116.6**	**120.0**
NYLON[e]	64.8	63.5	71.0	76.6			275.9	201.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5			220.9	207.2
POLYESTER	154.2	172.1	191.4	181.2			698.9	685.4
OLEFIN+VINYON	11.4	14.3	14.7	15.2			55.6	40.7
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**			**1251.3**	**1135.2**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**			**10.2**	**11.0**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2			23.2	30.4
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0			5.0	4.6
CARPET	54.2	53.6	51.3	50.1			50.1	53.9
TEXTILE	40.5	39.2	38.8	37.8			37.8	48.6
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1			26.1	24.6
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1			3.1	3.7
TEXTILE	66.8	69.2	64.8	64.4			64.4	91.9
OLEFIN[h]	57.1	56.9	56.9	52.9			52.9	63.6
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.6**	**262.6**			**262.6**	**321.3**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**31.2**	**31.5**	**32.1**			**32.1**	**35.1**
NYLON[e]	52.0	54.9	57.0	54.1			54.1	53.4
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0			55.0	67.7
POLYESTER	178.4	174.2	162.1	161.1			161.1	186.6
OLEFIN+VINYON	19.2	17.8	17.6	16.2			16.2	29.3
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**			**286.4**	**337.0**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	10.8	11.5	13.6				35.9	36.1
CARPET CLASS WOOL	0.9	0.6	1.1				2.6	2.6
TOTAL RAW WOOL	11.7	12.1	14.7				38.5	38.7
RAW COTTON	213.2	228.1	255.6	227.5			924.4	851.8

---

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. 1983 data for Nylon exclude Aramid, but Aramid is included in 1982.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

Dear Readers:

We at the Textile Economics Bureau have continually been working hard to make the ***Textile Organon*** both a better management tool and a better source for man-made fiber data.

To this end, we have increased the scope of the ***Organon's*** coverage of the man-made fiber markets. Special reports and features have highlighted various aspects of the industry. We feel the ***Organon*** now contains not only more, but better, data, more timely presentations and more complete summations of trends in the man-made fiber industry.

Yet we'd like to do more with the ***Organon*** . . . but first we'd like your opinions of our current coverage of the man-made fiber industry.

On the opposite page, you'll see a questionnaire. We ask you to rate our current monthly and periodic features according to usefulness. We plan to incorporate the results of this survey into our future plans for the ***Organon***. Your cooperation is greatly appreciated.

Thank you for your time and consideration.

Sincerely,

Robert P. Antoshak
Editor

1983 *Textile Organon*

Readership Survey

Company Name ______________________ Address ______________________

____

____

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	Very Useful	Useful	Somewhat Useful	No Value
Regular Monthly Features				
Summary Table (Front Page)	☐	☐	☐	☐
Selected Textile Fibers Data (Back Page)	☐	☐	☐	☐
Selected U.S. Man-Made Fiber Imports by Country of Origin and Commodity Number (14-15)	☐	☐	☐	☐
Regular Scheduled Features				
U.S. Capacity Utilization Review (January)	☐	☐	☐	☐
World Fiber Survey (June)	☐	☐	☐	☐
Directory of World Man-Made Fiber Producers (June)	☐	☐	☐	☐
Directory of U.S. Man-Made Fiber Producers (September)	☐	☐	☐	☐
U.S. Man-Made Fibers End Use Survey (November)	☐	☐	☐	☐
Annual Index to the ***Organon*** (December)	☐	☐	☐	☐
Periodic Features				
Broad Wovens Production (3-10)	☐	☐	☐	☐
U.S. Man-Made Fiber Imports for Consumption (14-15)	☐	☐	☐	☐
Man-Made Fiber Production and Distribution (20-21)	☐	☐	☐	☐
Quarterly Man-Made Fiber Data (22-23)	☐	☐	☐	☐
U.S. Imports, Exports and Balance of Man-Made Fibers, Cotton and Wool (28)	☐	☐	☐	☐
Tire Cord and Tire Cord Fabric Production (30)	☐	☐	☐	☐
Textile Fiber Consumption (24-45)	☐	☐	☐	☐
Filament Yarn and Staple+Tow Domestic Shipments (56-57)	☐	☐	☐	☐
Selected U.S. Exports by Country of Destination (73-75)	☐	☐	☐	☐
Special Reports				
The Impact of Exports (169-179)	☐	☐	☐	☐
World Natural Fibers Review (237-242)	☐	☐	☐	☐
Proposed Features				
Fiber Price History in Graph Form	☐	☐	☐	☐
Format Considerations				
More data analysis using % change and subtotals	☐	☐	☐	☐
More text to describe the meaning of data presented	☐	☐	☐	☐
More Special Reports highlighting issues facing the industry	☐	☐	☐	☐

( ) = Page Location, Month of Issue in 1982 Organon Page Number.

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Textile Organon

Vol 54, No. 6 · June 1983

A publication of the Textile Economics Bureau, Inc.

World Man-Made Fiber Survey

Featured in this issue is our annual survey of the world man-made fiber industry. Our customary world directory of man-made fiber producers begins on page 90; the 1982 cellulosic fiber production and planned producing capacity survey begins on page 87; and the 1982 noncellulosic fiber production and planned capacity survey begins on page 84.

Earlier years' world data for most of the tables contained in this issue will also be found in the January 1962 ***Textile Organon*** Base Book and in the June 1966, 1970 and 1979-1982 issues.

As in the past, all data in this issue are in *metric tons* except for the U.S. data on pages 108-112. The tables on pages 81, 83-89 & 107 will be published in the July issue showing data in *millions of pounds.*

1982 import-export data used to tabulate net available supply by country are not complete at this time. As a result, when these data are obtained, the 1982 net available supply table will be published in the ***Organon.***

ACKNOWLEDGEMENTS

This 1982 world man-made fiber survey would not have been possible without the help and cooperation of more than 150 foreign man-made fiber associations, producing companies and individuals, as well as the U.S. Foreign Service posts reporting through the Office of Textiles and Apparel, Domestic and International Business Administration, U.S. Department of Commerce. Their efforts are greatly appreciated.

WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

THOUSAND METRIC TONS & *Percent*

TYPE OF FIBER	1976	1977	1978	1979	1980	1981	1982
CELLULOSIC FIBERS (from page 87)							
YARN+MONOFILAMENTS	1,188	1,172	1,167	1,176	1,161	1,104	1,032
STAPLE+TOW	2,022	2,109	2,151	2,195	2,081	2,100	1,917
TOTAL CELLULOSIC	**3,210**	**3,281**	**3,318**	**3,371**	**3,242**	**3,204**	**2,949**
NONCELLULOSIC FIBERS except Olefin (from page 83)							
YARN+MONOFILAMENTS	4,128	4,312	4,603	4,889	4,732	4,803	4,482
STAPLE+TOW	4,473	4,837	5,431	5,712	5,744	6,007	5,618
TOTAL NONCELL. ABOVE	**8,601**	**9,149**	**10,034**	**10,601**	**10,476**	**10,810**	**10,100**
TOTAL MAN-MADE ABOVE	**11,811**	**12,430**	**13,352**	**13,972**	**13,718**	**14,014**	**13,049**
% of World Total	*46*	*45*	*48*	*47*	*46*	*45*	*44*
NATURAL FIBERS							
RAW COTTON	12,480	13,921	12,973	14,270	14,266	15,422	14,677
RAW WOOL	1,487	1,488	1,528	1,573	1,581	1,609	1,616
RAW SILK	48	49	51	55	56	57	55
TOTAL NATURAL ABOVE	**14,015**	**15,458**	**14,552**	**15,898**	**15,903**	**17,088**	**16,348**
% of World Total	*54*	*55*	*52*	*53*	*54*	*55*	*56*
WORLD TOTAL ABOVE	**25,826**	**27,888**	**27,904**	**29,870**	**29,621**	**31,102**	**29,397**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 83 and 87, as noted. Textile glass fiber and olefin production are not included.

COTTON: International Cotton Advisory Committee. Also see December 1982 ***Organon.***

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1982 ***Organon*** issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

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Textile Organon

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*See page 109.

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OLEFIN DATA PRESENTATION

As has been the practice with past June issues, all world olefin data are presented separately from the other noncellulosic fibers. This method of presentation is necessitated by a lack of complete olefin data worldwide.

Two examples illustrate the problem:

A. Though the U.S. olefin production data published regularly in the ***Organon*** include yarn, monofil, staple, film fiber and spunbonded polypropylene, published Italian and Japanese olefin data, for example, show the production of yarn+monofilaments and staple+tow but no data on the production of film fiber, such as is used in sacks, fishing nets and carpet backing.

B. The published man-made fiber data of many other countries show little or no olefin fiber production at all, e.g., France, West Germany and the United Kingdom.

Due to the difficulties given above, the noncellulosic data except olefin are presented on page 84.

Then in the table on page 107, the olefin data of most countries are shown. These data consist of (a) the "official" country data published by a government, an association or other statistical agency. Then added to them is (b) an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. No attempt is made to strike a world total as such, for the incomplete data of a number of countries, particularly in Latin America, East Europe and Africa, Asia & Oceania, prohibit such a total.

WORLD NONCELLULOSIC FIBER PRODUCTION BY FIBER EXCEPT OLEFIN

THOUSAND METRIC TONS

FIBER & AREA	ACTUAL PRODUCTION																					PRODUCING CAPACITY					
	1976			1977			1978			1979			1980			1981			1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
WEST EUROPE	+	734	734	+	677	677	+	794	794	+	795	795	+	737	737	+	793	793	0	721	721	+	1009	1009	+	1044	1044
EAST EUROPE	0	172	172	0	184	184	0	200	200	0	213	213	0	217	217	0	211	211	0	209	209	0	254	254	0	296	296
U.S.A.	0	282	282	0	322	322	0	329	329	0	345	345	0	355	355	0	313	313	0	283	283	0	377	377	0	382	382
OTHER AMERICAS	0	82	82	0	82	82	0	98	98	0	108	108	0	114	114	0	106	106	0	121	121	0	162	162	0	163	163
JAPAN	2	308	310	3	335	338	3	370	373	4	355	359	3	350	353	1	347	348	3	344	347	6	380	386	6	380	386
OTHER A. A. & O.	0	162	162	0	187	187	0	227	227	0	249	249	0	284	284	0	305	305	0	346	346	0	410	410	0	443	443
TOTAL	**2**	**1740**	**1742**	**3**	**1787**	**1790**	**3**	**2018**	**2021**	**4**	**2065**	**2069**	**3**	**2057**	**2060**	**1**	**2075**	**2076**	**3**	**2024**	**2027**	**6**	**2592**	**2598**	**6**	**2708**	**2714**
NYLON+ARAMID[a]																											
WEST EUROPE	633	122	755	566	122	688	566	150	716	571	148	719	521	128	649	518	131	649	453	109	562	654	168	822	669	173	842
EAST EUROPE	387	28	415	394	31	425	405	31	436	414	31	445	461	55	516	454	79	533	460	83	543	619	93	712	674	94	768
U.S.A.	623	319	942	686	369	1055	750	407	1157	808	426	1234	740	330	1070	717	341	1058	563	311	874	863	446	1309	861	485	1346
OTHER AMERICAS	171	19	190	174	20	194	187	22	209	205	23	228	208	23	231	181	20	201	176	21	197	286	40	326	296	40	336
JAPAN	285	16	301	292	16	308	293	16	309	296	17	313	300	18	318	282	19	301	265	19	284	316	24	340	316	24	340
OTHER A. A. & O.	243	3	246	265	3	268	309	3	312	332	3	335	365	2	367	393	3	396	393	3	396	601	10	611	627	10	637
TOTAL	**2342**	**507**	**2849**	**2377**	**561**	**2938**	**2510**	**629**	**3139**	**2626**	**648**	**3274**	**2595**	**556**	**3151**	**2545**	**593**	**3138**	**2310**	**546**	**2856**	**3339**	**781**	**4120**	**3443**	**826**	**4269**
POLYESTER																											
WEST EUROPE	393	406	799	367	409	776	393	429	822	407	445	852	359	407	766	375	450	825	382	425	807	481	633	1114	492	643	1135
EAST EUROPE	87	227	314	94	291	385	112	304	416	118	308	426	135	321	456	132	334	466	146	342	488	228	517	745	228	517	745
U.S.A.	637	878	1515	722	930	1652	710	1014	1724	779	1117	1896	663	1146	1809	712	1182	1894	550	887	1437	730	1231	1961	703	1249	1952
OTHER AMERICAS	167	101	268	192	120	312	196	134	330	214	164	378	223	166	389	210	163	373	186	160	346	288	237	525	306	249	555
JAPAN	251	284	535	278	294	572	318	319	637	314	318	632	305	321	626	310	321	631	314	314	628	393	338	731	393	338	731
OTHER A. A. & O	209	255	464	235	368	603	321	500	821	386	556	942	409	672	1081	479	795	1274	557	827	1384	769	1058	1827	917	1164	2081
TOTAL	**1744**	**2151**	**3895**	**1888**	**2412**	**4300**	**2050**	**2700**	**4750**	**2218**	**2908**	**5126**	**2094**	**3033**	**5127**	**2218**	**3245**	**5463**	**2135**	**2955**	**5090**	**2889**	**4014**	**6903**	**3039**	**4160**	**7199**
OTHER FIBERS[b] **EXCEPT OLEFIN**																											
WEST EUROPE	4	11	15	4	10	14	3	9	12	5	11	16	6	11	17	6	7	13	4	9	13	8	13	21	8	12	20
EAST EUROPE	9	6	15	9	5	14	9	7	16	5	7	12	+	4	4	1	3	4	+	3	3	1	8	9	1	8	9
U.S.A.	6	1	7	7	1	8	7	1	8	8	1	9	9	+	9	10	1	11	8	+	8	13	1	14	14	+	14
OTHER AMERICAS	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1
JAPAN	15	43	58	17	45	62	15	42	57	17	42	59	18	43	61	14	33	47	14	31	45	28	103	131	28	103	131
OTHER A. A. & O	5	14	19	6	16	22	5	25	30	5	30	35	6	40	46	7	50	57	7	50	57	15	65	80	16	65	81
TOTAL	**40**	**75**	**115**	**44**	**77**	**121**	**40**	**84**	**124**	**41**	**91**	**132**	**40**	**98**	**138**	**39**	**94**	**133**	**34**	**93**	**127**	**66**	**190**	**256**	**68**	**188**	**256**
TOTAL FIBERS ABOVE																											
WEST EUROPE	1030	1273	2303	937	1218	2155	962	1382	2344	983	1399	2382	886	1283	2169	899	1381	2280	839	1264	2103	1143	1823	2966	1169	1872	3041
EAST EUROPE	483	433	916	497	511	1008	526	542	1068	537	559	1096	596	597	1193	587	627	1214	606	637	1243	848	872	1720	903	915	1818
U.S.A.	1266	1480	2746	1415	1622	3037	1467	1751	3218	1595	1889	3484	1412	1831	3243	1439	1837	3276	1121	1481	2602	1606	2055	3661	1578	2116	3694
OTHER AMERICAS	339	202	541	367	222	589	384	254	638	420	295	715	432	303	735	392	289	681	363	302	665	575	439	1014	603	452	1055
JAPAN	553	651	1204	590	690	1280	629	747	1376	631	732	1363	626	732	1358	607	720	1327	596	708	1304	743	845	1588	743	845	1588
OTHER A. A. & O.	457	434	891	506	574	1080	635	755	1390	723	838	1561	780	998	1778	879	1153	2032	957	1226	2183	1385	1543	2928	1560	1682	3242
WORLD TOTAL	**4128**	**4473**	**8601**	**4312**	**4837**	**9149**	**4603**	**5431**	**10034**	**4889**	**5712**	**10601**	**4732**	**5744**	**10476**	**4803**	**6007**	**10810**	**4482**	**5618**	**10100**	**6300**	**7577**	**13877**	**6556**	**7882**	**14438**

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 84-86.

[a] U.S.A. nylon producing capacity data do not include aramid.

[b] Other fibers are alginate, azlon, spandex or elastomer, saran., TFE fluorocarbon, vinal and vinyon.

WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY (EXCEPT OLEFIN)

THOUSAND METRIC TONS

	WEST EUROPE																
	AUSTRIA	BENELUX[a]			EIRE (IRELAND)			FINLAND	FRANCE			WEST GERMANY			GREECE		
YEAR	**S**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	27.4	84.5	61.8	146.3	6.3	9.0	15.3	0.8	105.1	143.7	248.8	369.0	390.4	759.4	8.3	5.0	13.3
1977	25.9	85.1	54.2	139.3	2.4	12.5	14.9	0.4	100.3	143.6	243.9	325.0	365.2	690.2	7.7	7.5	15.2
1978	30.4	94.7	48.0	142.7	8.3	26.0	34.3	0.5	91.7	154.7	246.4	326.0	403.4	729.4	8.5	7.9	16.4
1979	29.3	95.2	40.4	135.6	10.8	32.0	42.8	0.4	78.7	145.3	224.0	338.0	421.5	759.5	9.2	9.5	18.7
1980	25.4	71.9	32.4	104.3	10.0	31.7	41.7	0.4	65.3	126.7	192.0	317.7	402.4	720.1	9.0	10.0	19.0
1981	18.7	80.4	25.3	105.7	15.0	31.3	46.3	0.5	66.4	134.8	201.2	320.7	431.5	752.2	9.0	8.9	17.9
1982	16.2	61.0	19.2	80.2	12.3	28.0	40.3	0.5	64.8	125.3	190.1	317.0	350.0	667.0	8.5	9.3	17.8
PRODUCING CAPACITY																	
1983	*21.0*	*81.1*	*31.0*	*112.1*	*23.0*	*44.5*	*67.5*	*0.6*	*99.5*	*158.0*	*257.5*	*380.6*	*471.0*	*851.6*	*17.7*	*12.0*	*29.7*
1984	*21.0*	*84.1*	*33.0*	*117.1*	*23.0*	*44.5*	*67.5*	*0.6*	*99.5*	*158.0*	*257.5*	*380.6*	*476.3*	*856.9*	*17.7*	*12.0*	*29.7*

	WEST EUROPE *(Continued)*															
	ITALY/MALTA			PORTUGAL			SPAIN			SWEDEN	SWITZERLAND			TURKEY		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	130.7	245.9	376.6	1.7	10.1	11.8	54.1	94.4	148.5	1.0	49.4	27.3	76.7	18.5	44.2	62.7
1977	118.4	211.7	330.1	1.5	16.6	18.1	55.1	104.6	159.7	0.1	49.0	28.7	77.7	15.0	65.5	80.5
1978	117.9	236.5	354.4	1.6	26.1	27.7	60.8	129.1	189.9	0.1	49.8	33.4	83.2	22.1	60.6	82.7
1979	126.6	233.6	360.2	1.7	29.2	30.9	71.7	141.4	213.1	0.1	49.1	30.0	79.1	30.0	77.0	107.0
1980	124.9	229.9	354.8	1.4	32.1	33.5	65.0	136.7	201.7	0.1	60.7	23.7	84.4	28.0	70.0	98.0
1981	149.0	286.3	435.3	1.1	34.0	35.1	72.3	168.9	241.2	0	57.1	27.9	85.0	26.5	65.0	91.5
1982	148.7	280.0	428.7	0.9	40.0	40.9	73.6	157.7	231.3	0	53.4	27.0	80.4	31.0	73.0	104.0
PRODUCING CAPACITY																
1983	*196.2*	*445.0*	*641.2*	*3.5*	*41.0*	*44.5*	*107.4*	*215.7*	*323.1*	*0*	*73.5*	*31.0*	*104.5*	*64.0*	*112.0*	*176.0*
1984	*196.2*	*430.0*	*626.2*	*3.5*	*41.0*	*44.5*	*107.4*	*215.0*	*322.4*	*0*	*73.5*	*31.0*	*104.5*	*78.6*	*170.0*	*248.6*

	W. EUROPE *(Cont.)*			EAST EUROPE											
	UNITED KINGDOM			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUNGARY		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	200.1	214.1	414.2	13.0	28.9	41.9	49.0	19.6	68.6	51.0	66.6	117.6	3.2	8.0	11.2
1977	176.7	182.1	358.8	12.5	31.5	44.0	46.0	23.0	69.0	53.0	71.0	124.0	3.2	13.1	16.3
1978	180.9	225.5	406.4	13.0	33.0	46.0	49.0	25.0	74.0	53.5	74.0	127.5	3.3	15.4	18.7
1979	171.4	209.7	381.1	13.0	35.0	48.0	50.0	22.0	72.0	54.6	77.9	132.5	3.2	14.8	18.0
1980	125.9	161.7	287.6	17.3	37.0	54.3	54.0	22.4	76.4	57.0	82.0	139.0	5.8	14.7	20.5
1981	100.9	148.4	249.3	17.5	39.0	56.5	52.5	37.5	90.0	56.0	78.0	134.0	7.0	14.3	21.3
1982	66.5	137.8	204.3	17.5	35.0	52.5	65.0	37.0	102.0	54.0	79.0	133.0	7.6	12.4	20.0
PRODUCING CAPACITY															
1983	*96.0*	*240.0*	*336.0*	*21.0*	*45.0*	*66.0*	*71.0*	*53.0*	*124.0*	*72.0*	*95.0*	*167.0*	*9.0*	*18.0*	*27.0*
1984	*104.0*	*240.0*	*344.0*	*19.5*	*62.0*	*81.5*	*71.0*	*53.0*	*124.0*	*75.0*	*95.0*	*170.0*	*9.0*	*43.0*	*52.0*

	EAST EUROPE *(Continued)*														
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EUROPE		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	69.7	68.5	138.2	28.0	86.0	114.0	260.0	140.0	400.0	9.3	15.5	24.8	**1512.7**	**1706.4**	**3219.1**
1977	81.2	65.5	146.7	29.0	95.0	124.0	265.0	191.0	456.0	7.3	20.3	27.6	**1433.9**	**1728.5**	**3162.4**
1978	85.2	66.9	152.1	30.0	100.0	130.0	275.0	200.0	475.0	17.0	28.0	45.0	**1488.9**	**1923.9**	**3412.8**
1979	87.4	65.9	153.3	35.0	105.0	140.0	273.0	203.0	476.0	21.0	35.0	56.0	**1520.1**	**1957.5**	**3477.6**
1980	94.5	68.5	163.0	33.0	103.0	136.0	319.0	231.0	550.0	23.0	40.0	63.0	**1483.9**	**1881.3**	**3365.2**
1981	78.7	40.2	118.9	39.5	114.5	154.0	311.8	261.0	572.8	24.0	41.0	65.0	**1485.9**	**2006.5**	**3492.4**
1982	75.4	53.1	128.5	39.0	112.0	151.0	325.8	268.0	593.8	22.0	40.5	62.5	**1444.5**	**1900.5**	**3345.0**
PRODUCING CAPACITY															
1983	*122.0*	*86.0*	*208.0*	*53.8*	*144.0*	*197.8*	*454.0*	*371.0*	*825.0*	*44.0*	*60.5*	*104.5*	*1989.9*	*2694.7*	*4684.6*
1984	*122.0*	*86.0*	*208.0*	*53.8*	*144.0*	*197.8*	*499.0*	*371.0*	*870.0*	*53.9*	*60.5*	*114.4*	*2071.9*	*2786.3*	*4858.2*

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. **TOT** means total.

These totals do not contain data for the fibers produced in North Korea.

a. Benelux includes Belgium, Netherlands and Luxembourg.

WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

THOUSAND METRIC TONS

				OTHER AMERICAS												
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE			COSTA RICA
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1976	1265.9	1479.9	2745.8	23.2	16.8	40.0	96.6	60.7	157.3	63.8	32.8	96.6	4.0	3.0	7.0	+
1977	1415.2	1622.0	3037.2	24.4	15.8	40.2	95.6	64.2	159.8	69.3	43.5	112.8	4.0	2.2	6.2	+
1978	1466.8	1751.2	3218.0	22.2	17.0	39.2	105.7	74.5	180.2	72.2	50.9	123.1	4.4	1.5	5.9	2.0
1979	1594.5	1889.2	3483.7	29.6	22.6	52.2	122.5	91.4	213.9	73.1	48.5	121.6	5.0	2.4	7.4	2.0
1980	1411.6	1830.5	3242.1	21.3	12.9	34.2	136.4	95.0	231.4	74.0	48.0	122.0	5.0	2.5	7.5	3.0
1981	1438.8	1836.7	3275.5	16.0	8.3	24.3	115.0	86.8	201.8	65.9	40.0	105.9	5.0	2.5	7.5	3.2
1982	1121.4	1481.5	2602.9	17.1	11.9	29.0	116.0	82.1	198.1	52.0	45.0	97.0	4.6	0.8	5.4	3.5
PRODUCING CAPACITY																
1983	1606.2	2055.2	3661.4	45.0	32.0	77.0	154.4	111.2	265.6	88.7	62.0	150.7	10.7	5.0	15.7	4.2
1984	1578.5	2116.0	3694.5	45.0	32.0	77.0	154.4	111.2	265.6	95.0	71.0	166.0	10.7	5.0	15.7	4.5

	OTHER AMERICAS *(Continued)*																
	COLOMBIA			ECUADOR	GUATEMALA	MEXICO			PERU			URUGUAY			VENEZUELA		
YEAR	Y	S	TOT	Y	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	27.7	6.2	33.9	1.8	0	104.9	57.7	162.6	3.8	19.8	23.6	1.1	0	1.1	11.5	5.3	16.8
1977	32.7	6.1	38.8	2.3	0	120.4	65.6	186.0	5.6	19.2	24.8	1.1	+	1.1	11.7	5.7	17.4
1978	33.2	7.8	41.0	2.5	0	123.4	75.9	199.3	5.6	20.5	26.1	1.1	+	1.1	11.5	5.5	17.0
1979	28.7	8.0	36.7	3.4	+	136.1	93.0	229.1	7.0	21.0	28.0	1.1	2.4	3.5	11.7	6.1	17.8
1980	28.2	10.9	39.1	3.5	0	137.0	102.4	239.4	10.5	22.5	33.0	1.1	2.6	3.7	11.5	6.0	17.5
1981	32.8	11.2	44.0	3.5	0	133.0	111.0	244.0	10.1	21.1	31.2	0.9	2.1	3.0	7.5	6.0	13.5
1982	26.0	12.0	38.0	4.0	0	122.1	115.4	237.5	10.4	29.4	39.8	0.9	2.3	3.2	6.2	3.6	9.8
PRODUCING CAPACITY																	
1983	44.5	15.0	59.5	7.0	2.0	192.2	172.2	364.4	12.0	33.0	45.0	1.1	3.4	4.5	14.2	5.5	19.7
1984	60.7	15.0	75.7	7.0	2.0	192.2	172.2	364.4	16.3	36.4	52.7	1.1	3.5	4.6	14.2	5.5	19.7

							OTHER AFRICA, ASIA & OCEANIA						
	TOTAL OTHER AMERICAS			JAPAN			AUSTRALIA/N.Z.			BANGLADESH	PEOPLE'S REPUBLIC OF CHINA		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1976	338.4	202.3	540.7	553.7	650.4	1240.1	20.0	1.0	21.0	0.4	15.0	37.0	52.0
1977	367.1	222.3	589.4	590.2	690.2	1280.4	17.5	1.2	18.7	0.3	18.0	42.0	60.0
1978	383.8	253.6	637.4	629.0	747.0	1376.0	18.1	1.1	19.2	0.5	30.0	106.6	136.6
1979	420.2	295.4	715.6	631.2	731.9	1363.1	16.4	0.5	16.9	0.2	36.0	128.0	164.0
1980	431.5	302.8	734.3	625.7	731.1	1356.8	12.0	+	12.0	0.3	43.0	205.0	248.0
1981	392.9	289.0	681.9	607.0	721.8	1328.8	10.0	0	10.0	0.2	55.0	292.0	347.0
1982	362.8	302.5	665.3	596.2	708.2	1304.4	14.5	0	14.5	0.2	67.0	302.0	369.0
PRODUCING CAPACITY													
1983	576.0	439.3	1015.3	743.0	845.0	1588.0	26.5	0	26.5	0.9	195.1	390.0	585.1
1984	603.1	451.8	1054.9	743.0	845.0	1588.0	26.5	0	26.5	0.9	218.0	450.0	668.0

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*														
	EGYPT			INDIA			INDONESIA			IRAN			ISRAEL		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	0.6	0.6	1.2	24.2	19.7	43.9	11.0	25.0	36.0	8.7	0	8.7	5.7	6.2	11.9
1977	0.8	0.4	1.2	25.6	21.6	47.2	17.3	37.2	54.5	8.5	0	8.5	5.8	5.6	11.4
1978	0.8	0.4	1.2	32.8	25.7	58.5	21.3	45.4	66.7	9.0	+	9.0	8.9	6.2	15.1
1979	1.5	0.4	1.9	35.8	27.8	63.6	22.7	50.3	73.0	5.0	0	5.0	9.9	6.4	16.3
1980	1.8	5.0	6.8	39.7	30.8	70.5	41.5	53.9	95.4	6.0	0	6.0	10.5	6.6	17.1
1981	2.0	5.0	7.0	50.9	39.8	90.7	46.4	55.1	101.5	10.0	10.0	20.0	10.5	6.8	17.3
1982	2.3	5.5	7.8	68.0	46.0	114.0	60.9	55.2	116.1	13.0	15.0	28.0	11.5	7.0	18.5
PRODUCING CAPACITY															
1983	6.0	25.6	31.6	78.0	61.9	139.9	80.0	80.0	160.0	35.7	37.7	73.4	16.0	7.5	23.5
1984	9.0	50.6	59.6	105.0	90.9	195.9	80.0	80.0	160.0	35.7	37.7	73.4	16.0	7.5	23.5

U.S.A. nylon producing capacity data do not include aramid.

WORLD NONCELLULOSIC FIBER PRODUCTION BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

THOUSAND METRIC TONS

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*															
	KENYA			REPUBLIC OF KOREA			MALAY-SIA	NIGERIA			PAKISTAN			PHILIPPINES		
YEAR	Y	S	TOT	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	0	0	0	141.3	168.0	309.3	15.0	0	0	0	2.4	0	2.4	14.0	7.8	21.8
1977	0	0	0	162.5	187.4	349.9	30.0	0	+	+	2.2	0	2.2	14.9	7.8	22.7
1978	0	0	0	208.0	224.5	432.5	33.0	+	3.0	3.0	1.9	0	1.9	16.0	8.6	24.6
1979	+	0	+	237.2	240.1	477.3	35.0	3.0	4.0	7.0	2.0	0	2.0	25.0	11.6	36.6
1980	1.0	0	1.0	255.2	281.2	536.4	36.0	2.5	2.5	5.0	1.5	0	1.5	30.0	14.0	44.0
1981	1.0	0	1.0	284.0	326.4	610.4	35.0	2.7	4.0	6.7	1.5	0	1.5	32.0	14.0	46.0
1982	1.0	0	1.0	301.4	311.0	612.4	32.0	1.2	1.1	2.3	2.0	0	2.0	35.0	15.0	50.0
PRODUCING CAPACITY																
1983	*11.0*	*5.4*	*16.4*	*347.4*	*360.2*	*707.6*	*37.8*	*5.0*	*5.0*	*10.0*	*5.4*	*24.0*	*29.4*	*43.0*	*18.0*	*61.0*
1984	*11.0*	*5.4*	*16.4*	*387.4*	*368.2*	*755.6*	*37.8*	*5.0*	*5.0*	*10.0*	*27.5*	*24.0*	*51.5*	*43.0*	*18.0*	*61.0*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*													WORLD TOTAL EXCEPT OLEFIN		
	SOUTH AFRICA			SRI LANKA	TAIWAN			THAILAND			TOTAL OTHER A, A & O					
YEAR	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	27.4	13.0	40.4	0	160.7	111.7	272.4	25.8	29.4	55.2	**457.2**	**434.4**	**891.6**	**4127.9**	**4473.4**	**8601.3**
1977	25.7	13.5	39.2	0	175.4	189.0	364.4	31.7	38.1	69.8	**506.2**	**573.8**	**1080.0**	**4312.6**	**4836.8**	**9149.4**
1978	29.4	16.5	45.9	0	223.5	240.7	464.2	34.7	43.6	78.3	**634.9**	**755.3**	**1390.2**	**4603.4**	**5431.0**	**10034.4**
1979	32.2	19.5	51.7	0	256.8	264.5	521.3	39.7	49.9	89.6	**723.4**	**838.0**	**1561.4**	**4889.4**	**5712.0**	**10601.4**
1980	33.5	20.0	53.5	0	264.6	293.2	557.8	36.5	49.5	86.0	**779.6**	**997.7**	**1777.3**	**4732.3**	**5743.4**	**10475.7**
1981	32.6	20.0	52.6	0.8	298.2	288.8	587.0	40.4	56.3	96.7	**878.2**	**1153.2**	**2031.4**	**4802.8**	**6007.2**	**10810.0**
1982	35.0	20.0	55.0	1.0	280.8	350.1	630.9	62.5	65.3	127.8	**957.3**	**1225.2**	**2182.5**	**4482.2**	**5617.9**	**10100.1**
PRODUCING CAPACITY																
1983	*43.0*	*22.0*	*65.0*	*2.7*	*415.8*	*402.1*	*817.9*	*73.4*	*65.3*	*138.7*	*1384.9*	*1542.5*	*2927.4*	*6300.0*	*7576.7*	*13876.7*
1984	*51.0*	*22.0*	*73.0*	*2.7*	*466.8*	*420.0*	*886.8*	*74.0*	*65.3*	*139.3*	*1559.5*	*1682.4*	*3241.9*	*6556.0*	*7881.5*	*14437.5*

WORLD TEXTILE GLASS FIBER PRODUCTION & PRODUCING CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1976	1977	1978	1979	1980	1981	1982	*1983*	*1984*
WEST EUROPE EAST EUROPE[a]	224	292	304	310	300	277	250	*370* *50*	*370* *50*
U.S.A.	307	357	419	460	393	472	408	*818*	*739*
OTHER AMERICAS	26	26	27	28	30	31	35	*60*	*60*
JAPAN	105	127	146	178	167	174	197	*228*	*228*
OTHER A.A & O[b]	12	13	12	12	13	14	12	*29*	*31*
TOTAL ABOVE	**674**	**815**	**908**	**988**	**903**	**968**	**902**	***1555***	***1478***
CHINA P.R.C.	DATA ARE NOT AVAILABLE						30	*50*	*50*
U.S.S.R.							65	*100*	*100*

Textile glass fiber is defined on page 90 of this issue. The textile glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1983 (1983) and December 1984 (1984).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

ESTIMATED WORLD CIGARETTE TOW PRODUCTION

THOUSAND METRIC TONS

AREA	1976	1977	1978	1979	1980	1981	1982
EUROPE[a]	59	67	76	74	74	81	81
U.S.A. OTHER AMER.[b]	164	173	180	199	220	226	216
ASIA[c]	37	39	40	41	41	42	42
WORLD TOTAL	**260**	**279**	**296**	**314**	**335**	**349**	**339**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.

b. Brazil, Canada, Colombia, Mexico & Venezuela.

c. Japan and Rep. of Korea.

WORLD ACETATE STAPLE PRODUCTION & CAPACITY

THOUSAND METRIC TONS

COUNTRY	PRODUCTION							CAPACITY	
	1976	1977	1978	1979	1980	1981	1982	*1983*	*1984*
U.K.	0.8	0.7	0.5	0.5	0.3	0.2	0.2	*0.5*	*0.5*
U.S.A.	5.0	3.6	3.2	3.2	3.2	1.8	+	*3.6*	*1.8*
CANADA	1.2	1.7	0.6	0	0	0	0	*0*	*0*
INDIA	0.4	0.2	0.4	0.4	0.1	0.3	0.3	*0.8*	*0.8*
WORLD TOTAL	**7.4**	**6.2**	**4.7**	**4.1**	**3.6**	**2.3**	**0.5**	***4.9***	***3.1***

WORLD CELLULOSIC PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

	WEST EUROPE															
	AUSTRIA			BELGIUM/ NETHERLANDS			FINLAND			FRANCE			WEST GERMANY			GREECE
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1975	10.2	74.0	84.2	35.3	10.7	46.0	0.7	29.4	30.1	28.1	55.3	83.4	48.8	43.0	91.8	5.9
1976	15.0	88.9	103.9	39.0	21.4	60.4	0.9	31.2	32.1	24.4	60.3	84.7	66.3	51.0	117.3	6.7
1977	12.6	90.2	102.8	36.2	23.0	59.2	1.2	39.8	41.0	20.8	60.7	81.5	63.7	46.0	109.7	7.2
1978	11.3	96.0	107.3	36.0	23.6	59.6	1.2	42.8	44.0	19.3	55.2	74.5	59.7	49.0	108.7	7.2
1979	12.0	98.8	110.8	36.1	26.9	63.0	1.2	48.0	49.2	18.5	58.9	77.4	58.1	50.0	108.1	7.2
1980	15.3	100.6	115.9	37.4	22.0	59.4	0.6	47.2	47.8	16.4	49.6	66.0	65.2	46.0	111.2	7.2
1981	15.6	107.9	123.5	38.3	14.6	52.9	0	46.6	46.6	11.0	42.9	53.9	65.0	50.0	115.0	7.2
1982	13.8	100.8	114.6	38.1	8.9	47.0	0	53.1	53.1	8.6	36.9	45.5	61.0	50.0	111.0	7.2
PRODUCING CAPACITY																
1983	*16.8*	*106.0*	*122.8*	*43.9*	*17.8*	*61.7*	*0*	*61.0*	*61.0*	*10.0*	*40.0*	*50.0*	*68.0*	*55.0*	*123.0*	*7.5*
1984	*16.8*	*106.0*	*122.8*	*43.9*	*0*	*43.9*	*0*	*61.0*	*61.0*	*10.0*	*0*	*10.0*	*68.0*	*55.0*	*123.0*	*7.5*

	WEST EUROPE *(Continued)*																	
	ITALY			NOR-WAY	PORTUGAL			SPAIN			SWEDEN			SWITZ-ERLAND	TURKEY		
YEAR	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1975	41.3	46.3	87.6	18.4	2.4	1.1	3.5	16.4	35.8	52.2	1.1	18.5	19.6	3.7	0.3	3.7	4.0
1976	46.7	59.8	106.5	26.1	2.5	1.4	3.9	15.6	41.0	56.6	0	30.4	30.4	4.4	0.3	3.9	4.2
1977	44.4	62.3	106.7	24.6	2.6	1.4	4.0	15.0	43.1	58.1	0	33.1	33.1	4.7	0.3	4.0	4.3
1978	39.3	46.9	86.2	28.4	2.1	1.2	3.3	13.8	46.6	60.4	0	36.9	36.9	4.1	0.3	4.0	4.3
1979	38.4	39.0	77.4	29.3	2.5	1.7	4.2	12.6	45.3	57.9	0	36.9	36.9	3.3	0.3	6.0	6.3
1980	36.6	27.5	64.1	28.4	2.7	0.7	3.4	12.8	40.1	52.9	0	34.9	34.9	1.8	0.3	5.0	5.3
1981	35.1	24.4	59.5	28.4	2.9	0.3	3.2	12.6	37.8	50.4	0	34.7	34.7	+	0.3	5.0	5.3
1982	31.6	14.2	45.8	20.0	3.1	0	3.1	11.3	31.8	43.1	0	38.0	38.0	0	0.3	5.0	5.3
PRODUCING CAPACITY																	
1983	*41.0*	*15.0*	*56.0*	*0*	*4.0*	*0*	*4.0*	*17.1*	*35.0*	*52.1*	*0*	*45.0*	*45.0*	*0*	*0.5*	*8.0*	*8.5*
1984	*41.0*	*0*	*41.0*	*0*	*4.2*	*0*	*4.2*	*17.1*	*35.0*	*52.1*	*0*	*45.0*	*45.0*	*0*	*0.5*	*8.0*	*8.5*

	WEST EUROPE *(Continued)*						EAST EUROPE									
	UNITED KINGDOM			TOTAL WEST EUROPE			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUN-GARY
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1975	62.5	126.7	189.2	**256.7**	**462.9**	**719.6**	2.5	19.0	21.5	21.4	49.6	71.0	32.9	135.6	168.5	8.8
1976	70.6	118.6	189.2	**292.4**	**534.0**	**826.4**	3.0	23.6	26.6	21.9	50.3	72.2	36.2	136.8	173.0	9.0
1977	62.6	113.6	176.2	**271.3**	**541.8**	**813.1**	3.0	25.7	28.7	22.0	50.6	72.6	36.0	131.0	167.0	9.1
1978	59.7	124.4	184.1	**254.0**	**555.0**	**809.0**	3.2	27.8	31.0	21.5	49.5	71.0	34.0	129.2	163.2	9.0
1979	59.2	139.2	198.4	**249.4**	**580.0**	**829.4**	3.2	30.0	33.2	22.0	36.0	58.0	35.0	130.0	165.0	8.6
1980	36.7	109.3	146.0	**233.0**	**511.3**	**744.3**	3.3	33.0	36.3	19.8	34.9	54.7	36.5	132.0	168.5	9.0
1981	27.0	102.4	129.4	**215.0**	**495.0**	**710.0**	4.3	34.7	39.0	18.2	36.0	54.2	37.0	132.0	169.0	7.5
1982	24.0	89.2	113.2	**199.0**	**447.9**	**646.9**	4.0	34.0	38.0	19.6	35.5	55.1	34.0	125.2	159.2	7.6
PRODUCING CAPACITY																
1983	*36.0*	*115.5*	*151.5*	*244.8*	*498.3*	*743.1*	*5.0*	*42.0*	*47.0*	*25.0*	*57.0*	*82.0*	*38.5*	*145.0*	*183.5*	*10.0*
1984	*36.0*	*115.5*	*151.5*	*245.0*	*425.5*	*670.5*	*5.0*	*0*	*5.0*	*25.0*	*57.0*	*82.0*	*38.5*	*152.0*	*190.5*	*10.0*

	EAST EUROPE *(Continued)*														
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EAST EUROPE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	28.3	67.4	95.7	14.0	48.9	62.9	281.4	309.0	590.4	14.0	49.9	63.9	**394.5**	**688.2**	**1082.7**
1976	28.7	66.9	95.6	11.0	53.9	64.9	286.1	325.8	611.9	15.1	50.0	65.1	**402.0**	**716.3**	**1118.3**
1977	28.6	67.1	95.7	9.0	50.4	59.4	295.0	334.0	629.0	14.9	56.0	70.9	**408.5**	**723.9**	**1132.4**
1978	28.0	65.4	93.4	9.5	53.0	62.5	300.0	335.0	635.0	15.0	57.0	72.0	**411.2**	**725.9**	**1137.1**
1979	27.2	56.6	83.8	9.7	55.0	64.7	298.0	337.0	635.0	15.5	58.0	73.5	**410.6**	**711.2**	**1121.8**
1980	25.4	61.0	86.4	9.5	54.0	63.5	305.0	345.0	650.0	15.0	58.0	73.0	**414.5**	**726.9**	**1141.4**
1981	19.5	44.4	63.9	9.6	55.0	64.6	300.0	345.5	645.5	15.0	58.0	73.0	**403.6**	**713.1**	**1116.7**
1982	19.3	45.1	64.4	8.2	55.0	63.2	294.4	340.5	634.9	13.0	55.0	68.0	**392.5**	**697.9**	**1090.4**
PRODUCING CAPACITY															
1983	*31.5*	*71.5*	*103.0*	*10.0*	*55.0*	*65.0*	*340.0*	*353.0*	*693.0*	*17.0*	*60.0*	*77.0*	*467.0*	*793.5*	*1260.5*
1984	*31.5*	*71.5*	*103.0*	*10.0*	*170.0*	*180.0*	*340.0*	*353.0*	*693.0*	*17.0*	*60.0*	*77.0*	*467.0*	*873.5*	*1340.5*

Y means yarn+monofilaments. **S** means staple+tow. **TOT** means total.

These totals do not include data for the Indonesian pilot plant nor production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided as between rayon and acetate yarn, is given on page 89. Also note page 86 for data on production of acetate staple and cigarette tow.

WORLD CELLULOSIC PRODUCTION BY COUNTRY *(Continued)*

THOUSAND METRIC TONS

				OTHER AMERICAS											
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1975	**166.1**	**173.7**	**339.8**	7.3	7.2	14.5	30.7	18.5	49.2	13.1	14.6	27.7	0.7	2.2	2.9
1976	**160.8**	**220.6**	**381.4**	5.3	5.0	10.3	34.2	19.7	53.9	5.7	21.2	26.9	1.0	3.0	4.0
1977	**160.0**	**242.7**	**402.7**	5.5	5.7	11.2	28.8	21.7	50.5	11.0	26.2	37.2	0.9	2.9	3.8
1978	**164.6**	**245.7**	**410.3**	4.4	3.8	8.2	24.1	22.4	46.5	12.3	26.8	39.1	0.8	3.3	4.1
1979	**169.4**	**252.4**	**421.8**	5.1	4.7	9.8	24.4	25.5	49.9	14.1	31.3	45.4	1.0	3.0	4.0
1980	**161.3**	**204.3**	**365.6**	2.0	1.5	3.5	26.0	25.3	51.3	14.0	30.0	44.0	1.0	3.0	4.0
1981	**138.6**	**210.7**	**349.3**	1.0	0	1.0	21.0	25.3	46.3	13.5	28.2	41.7	1.0	3.0	4.0
1982	**103.4**	**161.5**	**264.9**	1.0	0	1.0	20.8	24.2	45.0	9.5	28.0	37.5	1.0	3.2	4.2
PRODUCING CAPACITY															
1983	*172.8*	*233.2*	*406.0*	*10.0*	*10.0*	*20.0*	*25.2*	*31.2*	*56.4*	*14.5*	*33.6*	*48.1*	*2.0*	*5.4*	*7.4*
1984	*172.8*	*233.2*	*406.0*	*10.0*	*10.0*	*20.0*	*25.2*	*31.2*	*56.4*	*14.5*	*33.6*	*48.1*	*2.0*	*5.4*	*7.4*

	OTHER AMERICAS *(Continued)*														
	COLOMBIA			CUBA			MEXICO			PERU	URUGUAY	VENEZUELA	TOTAL OTHER AMERICAS		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	Y	Y	S	TOT
1975	3.9	1.7	5.6	2.3	3.7	6.0	18.4	11.8	30.2	1.8	1.1	3.3	**82.6**	**59.7**	**142.3**
1976	3.4	0	3.4	2.5	3.5	6.0	19.5	11.4	30.9	2.1	1.1	2.8	**77.6**	**63.8**	**141.4**
1977	3.3	0	3.3	2.4	3.7	6.1	18.7	8.8	27.5	1.3	1.2	3.0	**76.1**	**69.0**	**145.1**
1978	3.4	0	3.4	2.3	3.7	6.0	17.2	10.5	27.7	1.1	1.3	3.0	**69.9**	**70.5**	**140.4**
1979	3.4	0	3.4	2.4	3.8	6.2	17.1	10.3	27.4	1.3	1.4	3.0	**73.2**	**78.6**	**151.8**
1980	2.4	0	2.4	2.2	3.8	6.0	16.8	11.0	27.8	1.5	1.3	2.8	**70.0**	**74.6**	**144.6**
1981	1.8	0	1.8	2.2	3.8	6.0	16.6	11.3	27.9	1.3	1.0	2.8	**62.2**	**71.6**	**133.8**
1982	1.8	0	1.8	2.1	3.6	5.7	14.1	5.4	19.5	1.0	0.6	3.2	**55.1**	**64.4**	**119.5**
PRODUCING CAPACITY															
1983	*3.5*	*0*	*3.5*	*3.0*	*5.0*	*8.0*	*17.8*	*10.2*	*28.0*	*1.7*	*1.4*	*4.1*	*83.2*	*95.4*	*178.6*
1984	*3.5*	*0*	*3.5*	*3.0*	*5.0*	*8.0*	*14.7*	*10.2*	*24.9*	*1.7*	*1.4*	*4.1*	*80.1*	*95.4*	*175.5*

				OTHER AFRICA, ASIA & OCEANIA												
	JAPAN			AUSTRALIA	BANGLADESH		PEOPLE'S REPUBLIC OF CHINA			EGYPT			INDIA			INDONESIA
YEAR	Y	S	TOT	Y	Y	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1975	**103.2**	**255.6**	**358.8**	3.0	1.6	0	49.0	61.0	110.0	6.3	3.3	9.6	54.2	67.1	121.3	0
1976	**109.3**	**250.3**	**359.6**	0	0.9	0	55.0	70.0	125.0	6.3	3.2	9.5	60.6	83.7	144.3	0
1977	**107.4**	**272.7**	**380.1**	0	1.4	0	61.0	77.0	138.0	6.2	2.4	8.6	58.9	87.1	146.0	0
1978	**109.8**	**279.4**	**389.2**	0	3.0	0	65.0	80.0	145.0	6.0	3.7	9.7	62.4	92.0	154.4	0
1979	**114.3**	**290.4**	**404.7**	0	4.1	0	68.0	85.0	153.0	5.8	4.2	10.0	60.5	92.2	152.7	0
1980	**119.3**	**278.0**	**397.3**	0	3.5	0	75.0	95.0	170.0	6.0	4.0	10.0	57.7	74.7	132.4	0
1981	**118.7**	**273.5**	**392.2**	0	3.0	0	80.0	105.0	185.0	6.0	4.0	10.0	55.9	94.5	150.4	0
1982	**120.5**	**258.8**	**379.3**	0	2.5	0	80.0	105.0	185.0	7.0	4.5	11.5	53.8	50.3	104.1	10.1
PRODUCING CAPACITY																
1983	*136.0*	*314.3*	*450.3*	*0*	*5.4*	*5.0*	*100.0*	*130.0*	*230.0*	*7.0*	*5.4*	*12.4*	*66.5*	*165.8*	*232.3*	*21.6*
1984	*136.0*	*314.3*	*450.3*	*0*	*5.4*	*5.0*	*100.0*	*130.0*	*230.0*	*7.0*	*5.4*	*12.4*	*66.5*	*165.8*	*232.3*	*36.0*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*																
	IRAQ			REPUBLIC OF KOREA			PAKISTAN	TAIWAN			THAILAND	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	S	Y	S	TOT	Y	S	TOT
1975	3.0	5.5	8.5	9.8	0	9.8	2.9	2.7	46.5	49.2	0	**132.5**	**183.4**	**315.9**	**1135.6**	**1823.5**	**2959.1**
1976	3.0	5.5	8.5	14.2	7.1	21.3	2.6	3.1	65.4	68.5	2.0	**145.7**	**236.9**	**382.6**	**1187.8**	**2021.9**	**3209.7**
1977	2.8	5.3	8.1	12.8	9.7	22.5	2.6	3.0	66.6	69.6	10.7	**148.7**	**258.8**	**407.5**	**1172.0**	**2108.9**	**3280.9**
1978	3.0	5.5	8.5	12.7	10.0	22.7	2.3	3.1	66.9	73.0	13.5	**157.5**	**274.6**	**432.1**	**1167.0**	**2151.1**	**3318.1**
1979	2.9	5.4	8.3	13.2	10.4	23.6	2.0	3.0	70.0	73.0	15.1	**159.5**	**282.3**	**441.8**	**1176.4**	**2194.9**	**3371.3**
1980	3.0	5.5	8.5	12.4	15.0	27.4	2.7	3.0	75.3	78.3	16.4	**163.3**	**285.9**	**449.2**	**1161.4**	**2081.0**	**3242.4**
1981	3.0	5.5	8.5	12.8	13.9	26.7	2.4	3.0	96.7	99.7	16.4	**166.1**	**336.0**	**502.1**	**1104.2**	**2099.9**	**3204.1**
1982	3.0	5.5	8.5	9.9	5.8	15.7	1.8	3.3	89.5	92.8	15.5	**161.3**	**286.2**	**447.5**	**1031.8**	**1916.7**	**2948.5**
PRODUCING CAPACITY																	
1983	*3.5*	*6.5*	*10.0*	*13.1*	*28.0*	*41.1*	*3.3*	*4.3*	*99.4*	*103.7*	*16.4*	*203.1*	*478.1*	*681.2*	*1306.9*	*2412.8*	*3719.7*
1984	*3.5*	*6.5*	*10.0*	*13.1*	*28.0*	*41.1*	*3.3*	*4.3*	*99.4*	*103.7*	*18.2*	*203.1*	*494.3*	*697.4*	*1304.0*	*2436.2*	*3740.2*

RAYON VS. ACETATE FILAMENT YARN PRODUCTION BY COUNTRY

THOUSAND METRIC TONS

	WEST EUROPE																				
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE			WEST GERMANY			ITALY			SPAIN			SWEDEN	UNITED KINGDOM		
YEAR	H	R	H	R	A	H	R	A	H	R+C	A	H	R+C	A	H	R	A	H	H	R	A
1976	11	4	17	17	5	9	13	2	40	24	2	11	18	18	6	8	2	0	19	18	34
1977	9	4	17	14	5	8	13	0	38	24	2	11	15	18	7	6	2	0	17	12	33
1978	8	3	15	15	6	9	10	0	35	23	2	11	11	17	6	5	3	0	15	10	35
1979	8	4	14	15	7	9	9	0	33	23	2	11	9	18	5	5	3	0	11	10	38
1980	11	4	15	16	6	8	9	0	40	24	1	11	5	21	6	4	3	0	1	2	34
1981	11	5	16	16	6	2	9	0	39	25	1	11	5	19	6	3	3	0	0	0	27
1982	9	5	15	16	6	0	9	0	40	21	0	9	3	19	4	4	3	0	0	0	24
PRODUCING CAPACITY																					
1983	*12*	*5*	*19*	*17*	*8*	*0*	*10*	*0*	*43*	*25*	*0*	*12*	*9*	*20*	*8*	*5*	*4*	*0*	*0*	*0*	*36*
1984	*12*	*5*	*19*	*17*	*8*	*0*	*10*	*0*	*43*	*25*	*0*	*12*	*9*	*20*	*8*	*5*	*4*	*0*	*0*	*0*	*36*

	W. EUROPE *(Cont.)*				EAST EUROPE																
	OTHER[a]	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	R	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1976	14	**113**	**116**	**63**	3	9	13	14	22	8	21	7	4	160	77	49	7	8	**205**	**148**	**49**
1977	16	**107**	**104**	**60**	3	10	12	13	23	8	21	6	3	165	80	50	7	8	**209**	**150**	**50**
1978	15	**99**	**92**	**63**	3	10	12	13	21	8	20	6	3	165	80	55	7	8	**209**	**147**	**55**
1979	15	**91**	**90**	**68**	3	10	12	13	22	7	20	6	4	163	80	55	7	9	**206**	**150**	**55**
1980	12	**92**	**76**	**65**	3	9	11	14	23	7	18	6	4	165	85	55	7	8	**208**	**152**	**55**
1981	11	**85**	**74**	**56**	4	8	10	14	23	5	15	6	4	165	80	55	7	8	**205**	**144**	**55**
1982	8	**77**	**66**	**52**	4	8	12	13	21	4	15	5	3	160	80	54	6	7	**196**	**142**	**54**
PRODUCING CAPACITY																					
1983	*12*	*94*	*83*	*68*	*5*	*11*	*14*	*15*	*24*	*8*	*23*	*6*	*4*	*170*	*100*	*70*	*8*	*9*	*218*	*179*	*70*
1984	*12*	*94*	*83*	*68*	*5*	*11*	*14*	*15*	*24*	*8*	*23*	*6*	*4*	*170*	*100*	*70*	*8*	*9*	*218*	*179*	*70*

				OTHER AMERICAS																			
	U.S.A.			ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA		CUBA		MEXICO			PERU		URUGUAY	VENEZUELA
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	R	A	H	R	H	R	A	R	A	A	A
1976	**24**	**7**	**130**	1	3	1	16	12	6	6	1	0	3	3	◆	3	7	10	1	1	1	3
1977	**25**	**7**	**128**	1	3	1	11	12	6	11	1	0	3	2	◆	3	7	9	1	1	1	3
1978	**21**	**7**	**137**	1	2	1	8	12	4	12	1	0	4	2	◆	3	6	9	◆	1	1	3
1979	**19**	**7**	**143**	1	3	1	7	15	3	14	1	0	4	2	◆	3	6	8	◆	1	1	3
1980	**14**	**7**	**140**	1	1	◆	6	16	4	14	1	0	2	2	◆	3	6	8	0	2	1	3
1981	**15**	**7**	**117**	0	◆	1	4	14	3	13	1	0	2	2	◆	3	6	8	0	1	1	3
1982	**15**	**6**	**84**	0	0	1	4	15	2	10	1	0	2	2	◆	3	5	6	0	1	1	3
PRODUCING CAPACITY																						
1983	*19*	*7*	*145*	*1*	*5*	*3*	*5*	*16*	*5*	*15*	*2*	*0*	*4*	*2*	◆	*3*	*6*	*9*	*0*	*2*	*1*	*4*
1984	*21*	*7*	*144*	*1*	*5*	*3*	*5*	*16*	*5*	*15*	*2*	*0*	*4*	*2*	◆	*3*	*6*	*9*	*0*	*2*	*1*	*4*

							OTHER AFRICA, ASIA & OCEANIA												
	TOTAL OTHER AMERICAS			JAPAN			INDIA			PAKISTAN	REP. OF KOREA		OTHER[b]	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	H	R	A	H	R+C	A	H	R	A	A	R	A	R	H	R	A	H	R+C	A
1976	**23**	**24**	**31**	**5**	**75**	**29**	18	41	2	3	12	2	68	**18**	**121**	**7**	**388**	**491**	**309**
1977	**17**	**24**	**35**	**4**	**74**	**29**	17	40	2	3	11	2	74	**17**	**125**	**7**	**379**	**484**	**309**
1978	**14**	**21**	**35**	**4**	**78**	**28**	18	42	2	2	11	2	80	**18**	**133**	**6**	**365**	**478**	**324**
1979	**13**	**25**	**35**	**3**	**80**	**31**	17	42	2	2	11	2	84	**17**	**137**	**6**	**349**	**489**	**338**
1980	**12**	**24**	**34**	**3**	**84**	**32**	14	42	2	3	10	2	90	**14**	**142**	**7**	**343**	**485**	**333**
1981	**9**	**21**	**32**	**4**	**82**	**32**	14	40	2	2	11	2	95	**14**	**146**	**6**	**332**	**474**	**298**
1982	**9**	**21**	**26**	**4**	**83**	**34**	14	38	2	2	8	2	96	**14**	**142**	**6**	**315**	**460**	**256**
PRODUCING CAPACITY																			
1983	*11*	*29*	*43*	*10*	*92*	*34*	*20*	*43*	*3*	*3*	*11*	*2*	*121*	*20*	*175*	*8*	*372*	*565*	*368*
1984	*11*	*29*	*43*	*10*	*92*	*34*	*20*	*43*	*3*	*3*	*11*	*2*	*121*	*20*	*175*	*8*	*374*	*565*	*367*

H means high tenacity (tire & industrial type) viscose rayon yarn. **R** means regular+intermediate tenacity viscose rayon yarn. **C** means cuprammonium rayon yarn. **A** means acetate+triacetate yarn.

a. "Other West Europe" comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. "Other Africa, Asia & Oceania" comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

WORLD MAN-MADE FIBER PRODUCERS

ARGENTINA

COAFI S.A.
Polyester Buenos Aires (yarn)

DUCILO S.A.I.C.
Nylon 66 Berazategui & Mercedes *Nylon Ducilo* (yarn)
Spandex Mercedes (fused multifil or coalesced monofil)

HISISA ARGENTINA S.A.I.C.I.F.
Acrylic Baradero *Cashmilon* (staple)

MITEXTIL S.A.
Nylon 6 Buenos Aires (yarn)

M. NAHMIAS S.A.C.I.
Polyester Buenos Aires (yarn)

NICIEZA y TAVERNA HNOS. S.A.
Nylon 6 Chivilcoy *Grilon* (monofil)

RHODIA ARGENTINA QUIMICA e TEXTIL
Acetate Quilmes (yarn)
Polyester Quilmes *Tergal* (yarn)

SOCIEDAD NUEVAS INDUSTRIAS ARGENTINAS FIBRAS ARTIFICIALES S.A.I.C.F.I. (SNIAFA)
Nylon 6 Hernández La Plata *Snialon* (yarn)
Rayon Plátanos (reg yarn & staple)

SUDAMTEX S.A. TEXTIL SUDAMERICANA
Polyester Azul *Acrocel* (staple)

VALENCIANA ARGENTINA S.A.
Nylon 6 Buenos Aires (yarn)

OLEFIN FIBER

MANUFACTURA FORTI ARGENTINA S.A.C.I.A.F.I. Buenos Aires (P yarn & staple)

PANAMERICA DE PLASTICOS S.A.I.C. Olivos (P staple)

TEXTILYUTE S.A.I.C. Isidro Casanova (P film)

VINISA S.A.I.C. Buenos Aires *Rafistal, Strofil* (E & P monofil)

TEXTILE GLASS FIBER

VIDRIERIA ARGENTINA S.A. (VASA)
Llavallol *Texover*

NOTES & DEFINITIONS FOR THIS WORLD DIRECTORY

This directory of producers separates the listing for each country into: (1) the cellulosic plus the noncellulosic fibers (except olefin), (2) olefin fiber and (3) textile glass fiber.

● means that the company produces olefin fiber as well as other man-made fiber(s). For example, Brasil Viscose S.A. produces olefin fiber in Brazil as well as nylon and rayon. The nylon and rayon entries for this company are in one section and the olefin entry is shown in the Olefin Fiber section.

* indicates that a new plant, or facilities for producing a new product at an existing plant, is in the planning or construction stage; such facilities are not expected to be operable before 1984 or later. Other product-plants are operable today or are expected to be operable during 1983.

The locality shown is the plant site.

Yarn means filament yarn.

Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross section. Monofilaments for bristles are excluded.

Film includes **Slit**: tape produced by slitting an already-attenuated wide sheet of olefin film; and **Split**: fibrillated slit film.

Not included in this survey is the slit film used for decorative or tying ribbon and such.

Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES & TRADEMARKS

The generic fiber names used in this survey are mainly those promulgated by the U.S. Federal Trade Commission (FTC). Following are those generic names (in **bold** type) and a brief description of the fibers covered by each name.

The *italicized* words are trademarks. All other fiber names are generic and are shown in regular type.

TEXTILE GLASS FIBER

This fiber is made in two primary forms, namely, continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber.

Textile glass fiber is produced and sold as filament yarn, strand, roving, mat, chopped strand, milled fiber and staple yarn & sliver. See the complete definition on page 185 of the September 1982 ***Organon***.

CELLULOSIC (ARTIFICIAL) FIBERS

Acetate. Cellulose acetate. Cigarette filtration tow is excluded.

Triacetate. Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.

Rayon. Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.

Cupra means cuprammonium rayon.

The viscose rayon yarns are identified as ind (industrial or high tenacity yarn) and reg (regular or textile yarn).

NONCELLULOSIC (SYNTHETIC) FIBERS

Acrylic. At least 85% acrylonitrile by weight.

Modacrylic. 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.

Azlon. Regenerated natural protein.

Nylon. A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.

Aramid. A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings. In this survey, any aramid data are included with nylon.

Olefin. At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.

Polyester. At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units, and parasubstituted hydroxybenzoate units.

Saran. At least 80% vinylidene chloride by weight.

Spandex. At least 85% of segmented polyurethane.

Vinal. At least 50% by weight vinyl alcohol and wherein the vinyl alcohol plus acetal units are at least 85% by weight.

Vinyon. At least 85% vinyl chloride by weight.

Other man-made fibers included in this survey, but not listed by the FTC, are **Polycarbonate** (U.S.A.), **Polychlal** (Japan), **Promix** (Japan) and **TFE-** & **FEP-fluorocarbon** (Fluoro) (Japan, U.S.A. & U.S.S.R.).

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex and nytril are no longer produced.

International Standard #2076, "Generic Names of Man-Made Fibres," as promulgated by the International Organization for Standardization, lists some 23 names, of which the following are similar to the FTC designations: cupro, viscose, acetate, triacetate, acrylic, modacrylic, nylon or polyamide, polyester and glass. The ISO also lists modal (regenerated cellulose obtained by processes giving a high tenacity and a high wet modulus), alginate (metallic salts of alginic acid), chlorofibre (similar to the FTC's saran and vinyon), elastane (similar to the FTC's spandex), elastodiene, fluorofibre, polycarbamide, polyethylene & polypropylene (similar to the FTC's olefin), polyurethane, trivinyl and vinylal (similar to the FTC's vinal).

AUSTRALIA

FIBREMAKERS LTD.
Biconstituent Mulgrave, Victoria *Front Runner* (melded fabric)
Nylon 66 Bayswater, Victoria *Bri Nylon* (yarn & monofil)
Penrith, N.S.W. (tire cord)
Polyester Bayswater *Terylene* (yarn, staple & tow)

UNITED CARPET MILLS PTY. LTD.
Nylon 6 Thomastown, Victoria *Unilon* (yarn)
Polyester Thomastown (yarn)

In addition to the above, VILENE AUSTRALIA reportedly produces spunbonded products at Minto, N.S.W.; these are believed to be principally based on cellulosic fiber, but some polypropylene may be used.

OLEFIN FIBER

AMOCO FABRICS COMPANY, PATCHOGUE PLYMOUTH DIVISION
Liverpool, N.S.W. *Poly Bac, Propex* (P film)

SARLON INDUSTRIES PTY. LTD. Punchbowl, N.S.W. (E & P monofil & film)

The following companies produce olefin film fiber: A. ABRAHAMS & SONS PTY. LTD., Clayton, Victoria (*Koala, Polytex*); CORDEX INDUSTRIES PTY. LTD., Gladesville, N.S.W.; GEO. KINNEAR & SONS PTY. LTD., Footscray, Victoria (*Emu*); H. J. PENNO, Adelaide, South Australia; and TAPEX PTY. LTD., Sydney, N.S.W.

TEXTILE GLASS FIBER

AUSTRALIAN FIBREGLASS PTY. LIMITED
Dandenong, Victoria *A.C.I. Fibreglass*

AUSTRIA

AUSTRIA FASERWERKE G.m.b.H.
Polyester Lenzing *Trevira* (staple)

CHEMIEFASER LENZING A.G.●
Fluoro Lenzing (yarn & staple)
Rayon Lenzing (staple)

GLANZSTOFF AUSTRIA G.m.b.H. (formerly Enka Austria)
Rayon St. Pölten (ind & reg yarn)

OLEFIN FIBER

CHEMIE LINZ A.G. Linz *Asota, Linz-PP-Multifil, Linz-PP-Vlies*
(P yarn, staple & spunbonded)

The following companies produce olefin film fiber: CHEMIEFASER LENZING A.G., Lenzing; M. TEUFELBERGER, Wels; and SEUTTER, Unter Eggendorf.

BANGLADESH

ASHUGANJ PETROCHEMICAL COMPLEX
Acrylic Ashuganj* (staple)

BANGLADESH CHEMICAL INDUSTRIES
Rayon (staple)

KARNAPHULI RAYON AND CHEMICALS LIMITED
Rayon Chandraghona, Chittagong (reg yarn & staple*)

PYLON INDUSTRIES LIMITED
Nylon 6 Fouzdarhat Industrial Estate, Chittagong *Pylon* (yarn)

BELGIUM

N.V. BAYER S.A.
Nylon 6 Antwerpen *Dorix* (staple)

BEAULIEU-NYLON S.A.●
Nylon 6 Kruishoutem, East Flanders (yarn)

N.V. CELANESE S.A.
Acetate Lanaken, Limburg (yarn)
Triacetate Lanaken (yarn)

FABELTA NINOVE S.A.
Rayon Ninove, East Flanders (reg yarn)

FABELTA ZWIJNAARDE S.A.
Nylon 66 Zwijnaarde, East Flanders *Fabelnyl* (yarn)

OLEFIN FIBER

DELOTEX (P staple)

N.V. FIBRILO Zele, East Flanders (P staple & film)

S.A. LA LOKEROISE Lokeren, East Flanders *Alpha Carpet, Delta Carpet*
(P yarn & staple)

OSTEND STORES & ROPEWORKS S.A. Ostend, West Flanders

POLYFIL N.V. (subsidiary of Beaulieu) Wielsbeke (P yarn)

T.T.C. POLYOLEFINS S.A. Overpelt, Limburg (P monofil)

The following companies produce olefin film fiber: N.V. JONCKVANSTEEN, Passendale; S.A PHORMIUM, Zele, East Flanders; POLYTEXCO S.P.R.L., Beveren, Kortryk; and S.A. U.C.O., Ledeberg, Gent.

TEXTILE GLASS FIBER

N.V. BAYER S.A.
Antwerpen

OWENS-CORNING FIBERGLAS EUROPE S.A.
Battice, Liége *Fiberglas*

Cellulosic production and capacity data are combined with the Netherlands on page 87. Noncellulosic production and capacity data are combined with the Netherlands and Luxembourg under "Benelux" on page 84.

BRAZIL

ARTEPESCA – S.A. ARTIGOS DE PESCA DO NORDESTE●
Nylon 6 Igarassu, Pernambuco (monofil)

BANYLSA TECELAGEM DO BRASIL S.A.
Nylon 6 Aratú, Bahia *Fio Banylsa Nylon* (yarn)
Polyester Aratú *Fio Banylsa Poliester* (yarn)

BRASIL VISCOSE S.A.●
Nylon 6 Jundiapeba, São Paulo *Giorgilon* (staple)
Rayon Jundiapeba (staple)

CELANESE DO BRASIL – FIBRAS QÚIMICAS LTDA.
Nylon 66 São Bernardo do Campo, São Paulo *Celtrel, Celtrel BCF* (yarn)
Polyester São Bernardo do Campo *Fortrel* (yarn),
Pocos de Caldas, Minas Gerais *Fortrel* (staple)

CELANESE DO BRASIL NORDESTE S.A.
Polyester Aratú, Bahia *Fortrel* (yarn & staple)

CIA. BRASILEIRA DE SINTÉTICOS
Polyester Osasco, São Paulo *Trevira* (yarn)

CIA. NITRO QÚIMICA BRASILEIRA
Rayon São Miguel Paulista, São Paulo (reg yarn)

COBAFI – CIA. BAHIANA DE FIBRAS
Nylon 6 Camaçari, Bahia (yarn)

DE MILLUS S.A. INDÚSTRIA E COMÉRCIO
Nylon 6 Rio de Janeiro, Rio de Janiero *Demilon* (yarn)

DU PONT S.A. INDÚSTRIAS QÚIMICAS
Spandex Paulinia, São Paulo *Lycra* (fused multifil)

EQUIPESCA – EQUIPAMENTOS DE PESCA S.A.
Nylon 6 Campinas, São Paulo (monofil)

FIAÇÃO BRASILEIRA DE RAYON – FIBRA S.A.
Nylon 6 Americana & São Paulo, São Paulo *Lilion* (yarn)
Polyester São Paulo (yarn)
Rayon Americana (reg yarn & staple)

FISIBA – FÍBRAS SINTÉTICAS DA BAHIA S.A.
Acrylic Camaçari, Bahia *Triana* (staple)

INDÚSTRIAS MATARAZZO DE FÍBRAS SINTÉTICAS S.A.
Nylon 6 São José dos Campos, São Paulo (yarn)

MANAP – MANUFATURA NACIONAL DE PLÁSTICOS●
Nylon 6 Osasco, São Paulo *Caicara* (monofil)

MARCATTO S.A. IND. E COM.●
Nylon 6 Jaragua do Sul, Santa Catarina (monofil)

MAZZAFERRO POLIMEROS E FIBRAS SINTÉTICAS LTDA.
Nylon 6 São Bernardo do Campo, São Paulo *Grilon, Trilon*
(yarn & monofil)

MONOFIL – CIA. INDUSTRIAL DE MONOFILAMENTOS●
Nylon 6 São Paulo, São Paulo (monofil)

BRAZIL *(continued)*

NOVELSPUMA · ESPUMA DE NYLON S.A.
Nylon 6 São Paulo, São Paulo (yarn)

POLYENKA S.A.
Polyester Americana, São Paulo *Diolen* (yarn)

POLYNOR S.A. INDÚSTRIA E COMÉRCIO DE FIBRAS SINTÉTICAS DA PARAÍBA
Polyester João Pessoa, Paraíba *Amilon, Polynor* (yarn & staple)

RHODIA S.A.
Acetate Santo André, São Paulo (yarn)
Acrylic São José dos Campos, São Paulo *Crylor* (staple)
Nylon 66 Santo André *Dropnyl, Rhodianyl* (yarn & staple)
Polyester Santo André *Dropgal Tergal, Tergal* (yarn & staple)
São José dos Campos *Bidim* (spunbonded)
Rayon São José dos Campos (ind yarn & staple)

RHODIA NORDESTE S.A.
Polyester Cabo, Pernambuco *Dropgal, Tergal* (yarn & staple)

SEARA IND. TÊXTIL LTDA.•
Nylon 6 Londrina, Paraná (monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO•
Nylon 6 São Paulo, São Paulo (yarn)

OLEFIN FIBER

ARTEPESCA · S.A. ARTIGOS DE PESCA DO NORDESTE Igarassu, Pernambuco (E & P monofil)

BRASIL VISCOSE S.A. Jundiapeba, São Paulo (P staple)

ETRÚRIA S.A. INDÚSTRIA DE FIBRAS E FIOS SINTÉTICOS Mairinque, São Paulo (P staple)

FADEMAC · FABRICA DE MATERIAIS DE CONSTR. S.A. Jacarei, São Paulo (P staple)

FITESA · FIAÇAO TÊXTIL DE EMBALAGENS PLÁSTICAS S.A. Guaiba, Rio Grande do Sul (P staple) & Porto Alegre, Rio Grande do Sul (P film)

INYLBRA S.A. TAPETES E VELUDOS Diadema, São Paulo (P staple)

MANAP · MANUFATURA NACIONAL DE PLÁSTICOS Osasco, São Paulo (P monofil)

MARCATTO S.A. IND. E COM. Jaragua do Sul, Santa Catarina (E & P monofil)

MONOFIL · CIA. INDUSTRIAL DE MONOFILAMENTOS São Paulo, São Paulo (P monofil)

SEARA IND. TÊXTIL LTDA. Londrina, Paraná (E & P monofil)

SPUMAR S.A. INDÚSTRIA E COMÉRCIO São Paulo, São Paulo *Fibrilene, Polylene, Polyplan, Prolene* (P yarn, staple & film)

TAPETELENE · INDUSTRIA S.A. Pajucara/Maramguape, Ceará (P staple)

TINTORIA S.A. · BENEFICIAMENTO DE FIOS (P yarn)

The following companies produce only olefin film fiber: BRASMEN TOL CACAPAVA S.A., Cacapava, São Paulo; CACIQUE DE EMBALAGENS S.A. INDÚSTRIA E COMÉRCIO, Londrina, Paraná; C.A.T.A. · CIA. AMAZONIA TÊXTIL DE ANIAGEM S.A., Belém, Pará; CIA. FAB. YOLANDA S.A., Recife, Pernambuco; CIA. JAUENSE INDUSTRIAL, Jau, São Paulo; CIA. UNIÃO MANUFATORA DE TECIDOS, Rio de Janeiro, Rio de Janeiro; DICOPLAST S.A. INDÚSTRIA E COMÉRCIO DE PLÁSTICOS, Presidente Prudente, São Paulo; EMPLA · EMBALAGENS PLÁSTICAS S.A., Rio de Janeiro, Rio de Janeiro; FIBRASA IND. E COM. DE FIOS E EMBALAGENS S.A., Espirito Santo; FIBROTEX TECELAGEM DE FIBRAS S.A., São Paulo, São Paulo; IMPLASA · INDÚSTRIA DE PLÁSTICOS ZANIOLO S.A., São José dos Pinhais, Paraná; INDÚSTRIA TÊXTIL TSUZUKI LTDA., Suzano, São Paulo; IPLAC DO BRASIL S.A. PLÁSTICOS INDUSTRIAIS, Fortaleza, Ceará*; NOVOPLAST IND. E COM. DE PLÁSTICOS, Nova Odessa, São Paulo; PLABASA · PLÁSTICOS DA BÁHIA S.A., Salvador, Báhia; PLASMINAS · PLÁSTICOS MINAS LTDA., Tres Pontas, Minas Gerais; PLÁSTICOS DO PARANÁ LTDA., Londrina, Paraná; PLÁSTICOS LINIL S.A., Recife, Pernambuco; PLÁSTILIRA INDÚSTRIA DE EMBALAGENS LTDA., Campinas, São Paulo; QUALITAS IND. E COM. LTDA., São Paulo, São Paulo; and SACOPLAST/PLANOSA · PLÁSTICOS DO NORDESTE S.A., Natal, Rio Grande do Norte.

TEXTILE GLASS FIBER

OCFIBRAS
Rio Claro, São Paulo *Fiberglas*

BULGARIA

KOMBINAT "DIMITAR DOMOV"•
Acrylic Burgas *Bulana* (staple)
Nylon 6 Vidin *Vidlon* (yarn)
Polyester Yambol *Yambolen* (yarn, staple & tow)

KOMBINAT "SVILOSA"
Rayon Swishtov (reg yarn & staple)

OLEFIN FIBER

KOMBINAT "DIMITAR DOMOV" Yambol* (P staple)

CANADA

BADISCHE CANADA LIMITED
Nylon 6 Amprior, Ontario *Zefran* (yarn & staple)

CELANESE CANADA INC., FIBRES DIVISION•
Acetate Drummondville, Quebec (yarn)

CELANESE CANADA (MILLHAVEN) INC.
Polyester Millhaven, Ontario *Fortrel* (yarn, staple, tow & fiberfill)

COURTAULDS (CANADA) LIMITED
Rayon Cornwall, Ontario (staple)

DU PONT CANADA INC.•
Nylon 66 Kingston, Ontario *Antron, Cantrece, Du Pont* (yarn, staple & tow)
Polyester Kingston *Dacron* (yarn)
Spandex Maitland *Lycra* (fused multifil)

FIRESTONE TEXTILES CO. · A DIVISION OF FIRESTONE CANADA LTD.-LTEE.
Nylon 6 Woodstock, Ontario (yarn & monofil)

OLEFIN FIBER

AMOCO FABRICS CO. Brantford & Hawkesbury, Ontario (E & P monofil & P film)

CALKO MILLS LTD. Rivière du Loup, Quebec (P monofil)

CANADA WESTERN CORDAGE CO., LTD. New Westminster, B.C. (P monofil)

CELANESE CANADA INC., FIBRES DIVISION St. Jean, Quebec *Protel* (P yarn & staple)

DOON TWINES LTD. Kitchener, Ontario (P yarn, monofil & staple)

DU PONT CANADA INC. North Bay, Ontario (P film)

GUELPH TWINES LTD. Guelph, Ontario (P monofil & film)

NOVASTRAND St. John, New Brunswick (P monofil)

POLI-TWINE CORP. LTD. Belleville, Ontario & Saskatoon, Saskatchewan *Polytie, PolyTwine, Spiralok* (P monofil)

SCHLEGEL COMPANY CANADA LTD. Oakville, Ontario (P monofil)

STRUDEX FIBRES LTD., DIVISION OF KRAUS CARPET MILLS LTD. Waterloo, Ontario (P yarn & staple · captive)

The following companies produce olefin film fiber: FIBERWORLD, LTD., Hawkesbury, Ont., and POLYMER INTERNATIONAL (N.S.) LTD., Truro, N.S.

TEXTILE GLASS FIBER

FIBERGLAS CANADA LIMITED
Guelph, Ontario *Fiberglas*

CHILE

GOODYEAR DE CHILE, S.A.I.C.
Nylon 6 Maipú, Santiago (yarn & monofil)

INDUSTRIAS QUÍMICAS GENERALES S.A.
Rayon Quillota, Valparaiso (ind yarn & staple)

LANERA AUSTRAL S.A.
Polyester Santiago (staple & tops)

MANUFACTURAS SUMAR S.A.
Nylon 6 El Pinar 172, Santiago *Crilobal* (yarn)
Polyester El Pinar 172 *Poligal* (yarn & staple)

QUIMÍCA INDUSTRIAL S.A.
Polyester Maipú, Santiago *Polycron* (staple & tops)

CHILE *(Continued)*

"RAYONHIL," INDUSTRIA NACIONAL DE RAYON S.A.
Rayon Llolleo, Santiago (reg yarn & staple)

OLEFIN FIBER

TEJIDOS PLASTICOS INTERPLAST S.A. Santiago, Santiago (P film)

CHINA, PEOPLE'S REPUBLIC OF

Reliable information on locations of man-made fiber plants in the People's Republic of China is not available.

Rayon plants have been reported at Amoy, Antung, Canton, Foshan, Kirin, Nanchang, Nanking, Paoting and Shanghai. However, only the plants at Antung and Shanghai can be confirmed.

Noncellulosic plants are reported at Beijing (nylon, polyester & vinal); Canton (vinyon); Chenchiang, Harbin Province (acrylic); Chunking (vinyon); Fangshen, Beijing Province (polyester); Foochow (vinyon); Heilongjiang (polyester); Hsinhsiang, Paoting Province (nylon); Jinshan, Shanghai Province (polyester); Jinzhou (nylon); Lanzhou (acrylic, olefin & vinal); Liaoyang (nylon & polyester); Luda (acrylic); Nantong (polyester); Nanjing, Jiangsu Province (polyester); Pingdings (nylon); Shanghai (nylon, polyester, acrylic & vinyon); Shanyi (nylon); Shengli (vinyon); Sian (nylon); Sichuan (nylon & polyester); Sining (nylon); Tianjin (nylon & polyester); Tientsin (polyester & vinyon); Xinhu (polyester); Yizheng (polyester); and Zhenjiang (nylon & polyester).

The following three plants have been reported as producing textile glass fiber: Shanghai Glass Fiber Plant, Shanghai Tungfanghung Glass Fiber Plant and Tientsin Glass Fiber Plant.

COLOMBIA

CELANESE COLOMBIANA, S.A.
Acetate Yumbo, near Cali, Valle del Cauca (yarn)
Nylon 6 Sabaneta, Antioquia *Nylocel* (yarn)
Polyester Yumbo *Fortrel* (yarn & staple)

COLTEFIBRAS S.A.
Polyester Igatui, Antioquia* (yarn & staple)

ENKA DE COLOMBIA S.A.
Nylon 6 Girardota, Antioquia *Enkalon* (yarn)
Polyester Girardota *Terlenka* (yarn & staple)

FABRICA DE HILAZAS VANYLON S.A.
Nylon 6 Barranquilla, Atlántico *Vanylon* (yarn & monofil)

POLIMEROS COLOMBIANOS S.A.
Polyester Medellin, Antioquia *Primel* (yarn, staple, tow & tops)

ZYLETTE (LAFAYETTE)
Polyester Bogotá (yarn)

The following companies produce olefin film fiber: COMPANIA NACIONAL DE EMPAQUES S.A., Medellin; PLASTICOS DE MAGDELENA LTDA., Santa Marta; and POLYMER DE COLOMBIA S.A., Cartagena.

COSTA RICA

OLYMPIC FIBERS, S.A.
Polyester San Antonio de Belén (yarn)

CUBA

INDUSTRIAS CONSOLIDADAS DE MATANZAS, S.A.
Rayon Matanzas (ind & reg yarn & staple)

CYPRUS

OLEFIN FIBER

LORDOS POLYSAC (LIMASSOL) LIMITED Limassol (P film)

CZECHOSLOVAKIA

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P.•
(GEORGE DIMITROV CHEMICAL WORKS, NATIONAL CORP.)
Rayon Bratislava, Slovakia (reg yarn & staple)

CHEMLON, N.P. (CHEMLON, NATIONAL CORPORATION)
Nylon 6 Humenné, Slovakia *Chemlon* (yarn)

CHEMOSVIT, N.P. (CHEMOSVIT, NATIONAL CORPORATION)•
Nylon 6 Svit, Slovakia *Sviton, Svitontex* (yarn & staple)
Rayon Svit (reg yarn)

SEVEROCESKÉ CHEMICKÉ ZÁVODY, N.P.
(NORTH BOHEMIAN CHEMICAL WORKS, NATIONAL CORP.)
Rayon Lovosice, Bohemia (ind yarn)

SILON, N.P. (SILON, NATIONAL CORPORATION)
Nylon 6 Planá nad Luznici, Bohemia *Silon* (yarn & monofil)
Polyester Planá nad Luznici *Tesil, Teryro, Velana* (staple, tow & fiberfill)

SLOVENSKÝ HODVÁB, N.P.
(SLOVAKIAN FILAMENT YARN, NATIONAL CORPORATION)
Polyester Senica nad Myjavou, Slovakia *Slotera* (yarn)
Rayon Senica nad Myjavou (reg yarn)

SPOLANA, N.P. (SPOLANA, NATIONAL CORPORATION)
Rayon Neratovice, Bohemia (staple)

OLEFIN FIBER

CHEMICKÉ ZÁVODY JURAJA DIMITROVA, N.P. Bratislava *Istrona, Labren, Nobelex* (P yarn & staple)

CHEMOSVIT, N.P. Svit *Prolen, Texozol* (P yarn & spunbonded)

JUTA, N.P. Úpice, Bohemia (P spunbonded)

The following companies produce olefin film fiber: JUTA, N.P., Adamov, Moravia and Bernartice u Trutnova, Dvůr Králové, Jilemnice & Úpice, Bohemia; POVAŽSKÉ CHEMICKÉ ZÁVODY, N.P., Zilina, Slovakia; and TECHNOLEN, N.P., Lomnice nad Popelkou, Bohemia.

TEXTILE GLASS FIBER

SKLOPLAST, N.P. (SKLOPLAST, NATIONAL CORPORATION)
Trnava, Slovakia (yarn, chopped strand & mat)

VERTEX, N.P. (VERTEX, NATIONAL CORPORATION)
Litomyšl, Bohemia (yarn, roving, mat & staple yarn)

DENMARK

OLEFIN FIBER

A/S FIBERTEX Aalborg (P staple)

ESBJERG TOVVAERKSFABRIK A/S Esbjerg *Westflex* (E & P monofil & film; P staple)

JACOB HOLM VARDE A/S Varde *Danaklon, IHS* (E & P staple & film), *Krenit* (P reinforcing fiber)

R.F.W. PLAST-INDUSTRI A/S Vejle (P film)

ROBLON A/S Frederikshavn (P film)

ECUADOR

ECUATORIANA DE TEJIDOS DE PUNTA
Polyester Punta (yarn)

ENKADOR S.A.
Polyester Sangolqui, Pichincha (yarn)

FÁBRICA HILADOS Y TEJIDOS DEL ECUADOR
Polyester Quito (yarn)

FIBRATEX S.A.
Polyester Guayaquil, Guayas (yarn)

TEXFIBRA S.A.
Polyester Guayaquil, Guayas (yarn)

EGYPT

ESTABLISSEMENTS INDUSTRIELS POUR LA SOIE ET LE COTON S.A.A. (E.S.C.O.)
Rayon Cairo (reg yarn)

MISR AL-AMIRIYA INDUSTRIAL FIBRE CO.
Polyester Amiriya (yarn & staple)

SOCIETE MISR POUR LA RAYONNE S.A.A. (MISR RAYON CO.)
Nylon 6 Kafr el Dawar *Misrnylon* (yarn), *Misrylon* (staple)
Polyester Kafr el Dawar *Polymisr* (yarn)
Rayon Kafr el Dawar (reg yarn & staple)

EL SALVADOR

OLEFIN FIBER

FILAMENTOS Y PERFILES, S.A. (FILPERSA) San Salvador *Duraplen* (E & P monofil)

SALVAPLASTIC, S.A. San Salvador (P monofil)

FINLAND

KEMIRA OY SÄTERI
Rayon Valkeakoski (staple)

FINLAND *(Continued)*

LAPPFIBER OY
Nylon 66 Tornio (yarn)

OLEFIN FIBER

The following companies produce olefin film fiber: MANILLA OY, Turku and PIIPPO OY, Lempäälä

TEXTILE GLASS FIBER

A. AHLSTROM OY GLASSFIBRE
Karhula *Kuitulasi* (roving & mat)

FRANCE

CELLATEX (a subsidiary of Rhône Poulenc Textile)
Rayon Givet, Ardennes; Grenoble, Isère; & Roanne (reg yarn & staple)

COURTAULDS S.A.
Acrylic Pont du Leu, Coquelles, Pas de Calais *Courtelle* (staple)
Rayon Pont du Leu (staple)

MONTEFIBRE FRANCE S.A.
Nylon 6 St Nabord, Vosges *Montefibre* (yarn)
Polyester St Nabord *Montefibre* (yarn)

ETS. NYSAM
Nylon 6 St Quentin, Aisne *Lilion* (yarn)

RHÔNE POULENC FIBERS (a subsidiary of Rhône Poulenc Textile)
Acrylic Colmar, Haut Rhin *Crylor* (staple)
Nylon 66 Albi, Tarn, St Laurent Blangy, Pas de Calais & Valance, Drôme *Nylfrance* (yarn & staple)
Polyester Gauchy, Aisne & Valence *Bidim* (spunbonded), *Tergal* (yarn & staple)

RHOVYL (a subsidiary of Rhône Poulenc Textile)
Vinyon Tronville en Barrois, Meuse *Clèryl, Rhovyl, Thermovyl* (yarn & staple)

SOCIETE CHOMARAT
Nylon 6 Mariac (yarn captive)

OLEFIN FIBER

PLASTIQUE DE ROUBAIX Roubaix (P film & staple)

SODOCA FABRICATION DE NONTISSES SYNTHETIQUES S.A.R.L.
Neuf Brisach, Haut Rhin (P spunbonded)

The following companies produce olefin film fiber: ETS. AMMANN & CIE., Saint Louis; ETS. BATAILLE, Rosendael; BIHR FRERES S.A., Xertigny; BOUSSAC SAINT FRERES S.A., Flixecourt, and SEINE & LYS, Paris

TEXTILE GLASS FIBER

OWENS CORNING FIBERGLAS FRANCE
L'Ardoise, Gard *Fiberglas*

SAINT GOBAIN INDUSTRIES, DIVISION VERRE TEXTILE
Chambèry, Savoie *Silionne, Stratifil, Stratimat, Verrane*

GERMAN DEMOCRATIC REPUBLIC

DEUTSCHE DEMOKRATISCHE REPUBLIK (EASTERN)

(Those facilities indicated by * are part of the trust VEB Chemiefaserkombinat Schwarza "Wilhelm Pieck.")

VEB CHEMIEFASERKOMBINAT SCHWARZA "WILHELM PIECK"
Nylon 6 Schwarza, Krs. Rudolstadt *Dederon* (yarn)
Rayon Schwarza (staple)

CHEMIEFASERWERK "FRIEDRICH ENGELS"*
Acrylic Premnitz, Krs. Rathenow *Wolpryla* (staple)
Nylon 6 Premnitz *Dederon* (staple)
Polyester Premnitz *Grisuten* (staple)
Rayon Premnitz (reg yarn)

CHEMIEFASERWERK "WILHELM PIECK STADT" GUBEN*
Nylon 6 Guben *Dederon* (yarn & monofil)
Polyester Guben *Grisuten* (yarn)

KUNSTSEIDENWERK "CLARA ZETKIN," ELSTERBERG*
Rayon Elsterberg, Krs. Greiz (reg yarn)

SÄCHSISCHES KUNSTSEIDENWERK "SIEGFRIED RÄDEL"*
Polyester Pirna* (yarn)
Rayon Pirna (ind, reg & cupra yarn)

SÄCHSISCHE ZELLWOLLE*
Rayon Plauen (staple)

SPINNSTOFFWERK "OTTO BUCHWITZ"*
Rayon Glauchau (staple)

ZELLSTOFF- UND ZELLWOLLWERKE WITTENBERGE*
Rayon Wittenberge (staple)

VEB FILMFABRIK FOTOCHEMISCHES KOMBINAT
Acrylic Wolfen, Krs. Bitterfeld *Wolpryla* (staple)
Rayon Wolfen (ind yarn & staple)
Vinyon Wolfen *Piviacid* (staple)

TEXTILE GLASS FIBER

VEB GLASSEIDENWERK
Oschatz *Glasseidengewebe, Glasseiden Roving, Glasseiden Stapelbindermatten, Glasseiden Twist, Glasseiden-Zwirn, Roving Gewebe*

GERMANY, FEDERAL REPUBLIC OF

BUNDESREPUBLIK DEUTSCHLAND (WESTERN)

BAYER A.G.
Acrylic Dormagen *Bayer Textilfaser Dralon* (yarn & staple)
Nylon 6 Dormagen *Perlon Draht* (monofil)
Spandex Dormagen *Bayer Textilfaser Dorlastan* (fused multifil)

BOLTA WERKE G.m.b.H.
Saran Nürnberg *Bolta* (monofil)

DU PONT DE NEMOURS (DEUTSCHLAND)
Nylon 66 Uentrop, Kreis Unna (yarn & staple)
Polyester Uentrop *Dacron* (staple, tow & fiberfill)

ENKA A.G.
Nylon 6/66 Obernburg *Enka Nylon* (yarn), *Enka Perlon* (yarn)
Polyester Kassel, Oberbruch & Obernburg *Diolen* (yarn & staple)
Rayon Kelsterbach, Oberbruch & Obernburg (ind & reg yarn)

E. HAHL KG•
Nylon 6 Munderkingen (staple)

HOECHST A.G.
Acrylic Kelheim Donau *Dolan* (staple)
Polyester Bad Hersfeld, Hessen & Bobingen Augsburg land *Trevira* (yarn, staple & spunbonded), *Trevira Draht* (monofil)
Rayon Kelheim Donau (staple)

ICI (EUROPA) FIBRES G.m.b.H.
Nylon 66 Ostringen *Timbrelle* (yarn & staple)
Polyester Ostringen *Terylene* (yarn)

LUTRAVIL SPINNVLIES•
Nylon 6 Kaiserslautern *Lutrabond* (spunbonded)
Polyester Kaiserslautern *Lutradur* (spunbonded)

MONTIFIBRE
Acrylic Lingen (staple)

NORDDEUTSCHE FASERWERKE G.m.b.H.
Nylon 6/66 Neumünster *SIKS NYLON* (yarn), *SIKS PERLON* (yarn & staple)
Polyester Neumünster *avitron* (yarn)

PHOENIX GUMMIWERK A.G.
Saran Hamburg Harburg *Harlan* (monofil)

HEINRICH REINHOLD KG•
Nylon 6 Selbitz, Bayern (staple)

RHODIA A.G.
Acetate Freiburg Br. *RHIAKABEL* (tow)
Nylon 66 Freiburg Br. & Rottweil a. N Württ. *RHOA-fil Nylon, RHOA Spinnfaser, RHOA tex HELANCA* (yarn & staple)
Polyester Freiburg Br. *RHOA fil TERGAL, RHOA tex TERGAL* (yarn)

SPINNSTOFFFABRIK ZEHLENDORF A.G.
Polyester Berlin Zehlendorf *Trevira* (yarn & staple)

TEXTILWERKE DEGGENDORF
Nylon 66 Deggendorf (yarn)
Polyester Deggendorf (yarn)

WACKER CHEMIE G.m.b.H.
Vinal München Burghausen *Wacker MP Faser* (staple)

OLEFIN FIBER

J. F. ADOLFF A.G. Backnang (P film & staple)

GERMANY, FEDERAL REPUBLIC OF *(Continued)*

AMOCO FABRICS CO., DIVISION OF AMOCO (DEUTSCHLAND) G.m.b.H.
Gronau (P film & staple)

J. H. BENECKE G.m.b.H. Peine *Corovin* (P spunbonded & staple)

R. B. J. RUDOLF BILLERMANN KG Emsdetten (P yarn & staple)

CHEMISCHE WERKE HÜLS A.G. Marl, Kreis Recklinghausen, Westphalia
Vestolan (E & P monofil)

DYNAMIT NOBEL A.G. Troisdorf, Bez. Köln *Trofil* (E & P monofil & tow)

FASERWERKE BOTTROP G.m.b.H. Bottrop (P staple)

FÜSSENER TEXTIL A.G. Füssen (P film & staple)

GEO. GLEISTEIN & SOHN Bremen-Vegesack (P film & monofil)

E. HAHL KG Munderkingen (P monofil & staple)

RUDOLF HILLER KG (P monofil)

LUTRAVIL SPINNVLIES Kaiserslautern *Lutrasil* (P spunbonded)

PIELMANN (P staple)

HEINRICH REINHOLD KG Selbitz/Bayern (P staple)

SCHAEFLER

STEEN Hamburg (P staple)

WESTFALIA SPINNEREI U. KUNSTOFFWERK SCHEM KG Minden
(P monofil & film)

The following companies produce olefin film fiber: BAUMHÜTER G.m.b.H., Wiedenbrück; BREMER WOLL-KAMMEREI, Bremen-Blumenthal; ERNST JAEGER, Düsseldorf-Reisholz; HEINZ G. JUNEMANN (NORDHESSISCHE HAARWARENFABRIK), Felsberg; KUSGA KUNSTOFFGARNE G.m.b.H., Mainz; POLYDRESS PLASTIC G.m.b.H., Michelstadt; POLYUNION KUNSTOFFWERK, Mesum; J. SCHILGEN, Emsdetten; SPOHN G.m.b.H., Freiburg; B.T.F. TECKLENBORG & CO., Bremen-Grohn; and DR. KARL WETEKAM & CO., Melsungen

TEXTILE GLASS FIBER

GEVETEX-TEXTILGLAS G.m.b.H.
Aachen & Dortmund-Mengede *Gevetex*

SCHULLER GLASWERKE
Westheim

GREECE

ETMA S.A.
Nylon 6/66 Athens (yarn)
Rayon Athens (reg yarn)

POLYETMA LTD.
Polyester Athens (yarn)

VOMVICRYL S.A. (affiliate of "Vomvix" S.A.)
Acrylic Stylis, near Lamia (staple, tow & tops)

"VOMVIX" S.A.
Nylon 6/66 Athens (yarn)
Polyester Athens (yarn)

OLEFIN FIBER

VIOFARM Argos (P staple)

The following companies produce olefin film fiber: ARIPLAST S.A., Athens; BIOSISAL, Athens; DESSILA, Piraeus; ELVISAK, Athens; MARINE ROPE, Athens; OLYMPIC ROPES, Piraeus; SISAL ROPERY, Salonika; C. VELLIS HEIRS S.A., Piraeus; and VESY S.A. SYNTHETIC MATERIALS INDUSTRY, Piraeus

GUATEMALA

HILOS SINTÉTICOS CENTROAMERICANOS, S.A.
Nylon 6 San José Pinula, Guatemala (yarn) (idle)

OLEFIN FIBER

CORDELERIA LA RAPIDA Guatemala, Guatemala (P monofil)

HONDURAS

OLEFIN FIBER

POLYMER, (subsidiary of United Brands) San Pedro Sula (P film)

HUNGARY

MAGYAR VISCOSAGYÁR (Hungarian Viscose Factory)*
Acrylic Nyergesújfalu *Crumeron* (staple)
Nylon 6 Nyergesújfalu *Danamid* (yarn & staple)
Rayon Nyergesújfalu (staple)

OLEFIN FIBER

KENDAR JUNTA TEXTILIPARI V. Budapest (P film)

KENDERFONÓ ÉS SZÖVÖIPARI V. SZEGED Szeged (P film)

MAGYAR VISCOSAGYÁR Nyergesújfalu *Popril* (P staple)

SOPRONI SZŐNYEGGYÁR Sopron *Sopilen* (P yarn)

TISZA CHEMICAL COMBINE Lenin Varas (P staple)

INDIA

THE AHMEDABAD MFG. & CALICO PRINTING CO. LTD.,
CALICO POLYESTER FIBRE DIV.
Polyester Baroda, Gujarat* *Ilacron* (staple)

ANDHRA PRADESH RAYONS LTD.
Rayon Kamalapuram, Warangal District, Andhra Pradesh* (staple)

THE BARODA RAYON CORPORATION LIMITED
Nylon 6 Udhna, Gujarat *Snialon* (yarn)
Polyester Udhna *Sniater* (yarn)
Rayon Udhna (reg yarn)

BONGAIGAON REFINERY AND PETROCHEMICALS LTD.
Polyester Goalpara, Assam* (staple)

CENTURY ENKA LIMITED
Nylon 6 Bhosari, Pune, Maharashtra* *Enkalon* (yarn)
Polyester Bhosari (yarn)

CENTURY RAYON (Prop: The Century Spg. & Mfg. Co. Ltd.)
Rayon Kalyan, near Bombay, Maharashtra (ind & reg yarn)

CHEMICALS & FIBRES OF INDIA LIMITED
Polyester Thane, near Bombay, Maharashtra *Terene* (staple)

DOSHI SYNTHETICS
Polyester Kandla, Gujarat* (yarn)

GARWARE NYLONS LIMITED
Nylon 6 Pimpri, Pune, Maharashtra* *Garware* (yarn & monofil)
Polyester Pimpri (yarn)

THE GWALIOR RAYON SILK MFG. (WVG.) CO. LIMITED
Rayon Birlagram, Nagda, Madhya Pradesh & Birlakootam, Mavoor,
Kerala (staple)

INDIAN ORGANIC CHEMICALS LIMITED
Polyester Manali, Madras, Tamil Nadu *Futura* (staple)

INDIAN PETROCHEMICALS CORP. LTD.
Acrylic Vadodara, Baroda, Gujarat *Cashmilon* (staple)

THE INDIAN RAYON CORPORATION LIMITED
Rayon Veraval, Gujarat (reg yarn)

INDUSTRIAL PROMOTION & INVESTMENT CORPORATION OF ORISSA LTD.
Polyester Orissa* (staple)

J. K. RAYON, J. K. PURI
Rayon Kanpur, Uttar Pradesh (reg yarn)

J. K. SYNTHETICS LIMITED
Acrylic Kota, Rajasthan *Jayacrylic* (staple)
Nylon 6 Kota *Jayanka, Jaycord, Jaykalon* (yarn & monofil; staple idle)
Polyester Kota; Orissa* *Jaykaylene* (yarn & staple)

JAGITJIT COTTON TEXTILE MILLS LTD.
Nylon 6 Hoshiarpur, Punjab (yarn)

KANHAYA POLYSYNTHETICS
Polyester Gujarat, Kandla* (staple)

KARNATAKA STATE INDUSTRIAL INVESTMENT AND DEVELOPMENT CORP. LTD.
Polyester Karnataka* (staple)

KESORAM RAYON (Prop: Kesoram Industries and Cotton Mills Ltd.)
Rayon Nayasarai, Hooghly, West Bengal (reg yarn)

M.P. STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD.
Polyester Madhya Pradesh* (staple)

INDIA *(Continued)*

MADURA COATS LTD.
Nylon 6 Medak, Andhra Pradesh* (yarn)

MODIPON LIMITED
Nylon 6 Modinagar, Uttar Pradesh *Modipon* (yarn)
Polyester Modinagar (yarn)

THE NATIONAL RAYON CORPORATION LIMITED
Nylon 6 Mohone Kalyan, near Bombay, Maharashtra* *N.R.C.* (yarn)
Rayon Mohone Kalyan (ind & reg yarn)

NIRLON SYNTHETIC FIBRES & CHEMICALS LIMITED
Nylon 6 Bombay, Maharashtra *Nircord, Nirlon* (yarn & monofil)
Polyester Bombay *Nirester* (yarn)

ORKAY SILK MILLS PVT. LTD.
Polyester Patalganga, Maharashtra* (yarn)

P.O. PETROCHEMICALS
Acrylic Vadodara, Gujarat* (staple)
Polyester Baroda, Gujarat* (staple)

PASUPATI ACRYLON LIMITED
Acrylic Moradabad, Uttar Pradesh* (staple)

PETROFILS COOPERATIVE LIMITED
Polyester Jawaharnagar, Baroda, Gujarat (yarn)

PRADESHIYA INDUSTRIAL INVESTMENT CORP. OF UTTAR PRADESH
Polyester Uttar Pradesh* (yarn & staple)

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD.
Polyester Punjab* (staple)

RELIANCE TEXTILE INDUSTRIES LTD.
Polyester Patalganga, Maharashtra* (yarn)

SHREE SYNTHETICS LIMITED
Nylon 6 Naulakhi, Ujjain, Madhya Pradesh *Shreelon* (yarn)
Polyester Naulakhi *Shreester* (yarn)

SHRIRAM FIBRES LIMITED
Nylon 6 Manali, Madras, Tamil Nadu *Tufcord* (yarn)

SHRIRAM RAYONS
Rayon Kota, Rajasthan (ind yarn)

THE SIRSILK LIMITED
Acetate Sirpur-Kaghaznagar, Andhra Pradesh (yarn & staple)

SOUTH INDIA VISCOSE LIMITED
Rayon Sirumughai, near Mettupalayam, Tamil Nadu (reg yarn & staple)

STRETCH FIBRES (INDIA) LIMITED
Nylon 6 Nagpur, Maharashtra *SF* (yarn)

SWADESHI POLYTEX LIMITED
Polyester Gaziabad, Uttar Pradesh *Jailene* (staple)

TAMIL NADU INDUSTRIAL DEVELOPMENT CORP.
Polyester Madras, Tamil Nadu* (staple)
Rayon Madras* (staple)

THE TRAVANCORE RAYONS LIMITED
Rayon Rayonpuram, Kerala (reg yarn)

TUNGABHADRA FIBRES LTD.
Rayon Tungabhadra, Andhra Pradesh (staple)

OLEFIN FIBER

ACME INVESTMENTS LTD. Panki Industrial Area, Kanpur* (P yarn)

ANIL KUMAR JAIN Ankleshwar, Gujarat* (P yarn)

GUPTA NEEDLE INDUSTRIES PVT. LTD. Dharuhera, Haryana* (P yarn)

INDO SYNTHETICS CORP. (P yarn*)

J.K. BHAGAT Bhiwand, Alwar, Rajasthan* (P yarn)

KALYANI ASBESTOS CEMENT PVT. LTD. Kalol, Gujarat* (P yarn)

NEOMER LIMITED Baroda, Panchmahal, Gujarat *Proplon* (P staple)

NIAGARA INTERNATIONAL (P yarn*)

POLYPROP INDUSTRIES Dharuhera, Haryana* (P yarn)

RAJENDRA V. PATEL Cambay, Gujarat* (P yarn)

SANJEEV SHRIYA Uttar Pradesh* (P yarn)

TEXTILE GLASS FIBER

FIBREGLASS PILKINGTON LIMITED
Thane, near Bombay, Maharashtra

U. P. TWIGA FIBREGLASS
Sikandarabad, Uttar Pradesh

INDONESIA

P.T. BERKAT INDAH AGUNG
Rayon Tangerang, West Java* (staple)

INDONESIA PENELITIAN SELULOSA (Cellulose Research Institute)
Rayon Bandung (pilot plant) (ind & reg yarn & staple)

P.T. INDO BHARAT RAYON
Rayon Desa Cilangkap, Purwakarta (staple)

P. T. INDONESIA ASAHI CHEMICAL
Nylon 6 Jatiluhur, Purwakarta, West Java (yarn)

P. T. INDONESIA TORAY SYNTHETICS
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang (staple)

P.T. INDUSTRI SANDANG I
Polyester Tangerang* (staple)

P.T. INDUSTRI SANDANG II
Rayon South Sumatra* & West Kalimantan* (staple)

P.T. KUMA FIBER (P.T. Kuraray Manunggal Fibre Industries)
Polyester Cikokol, Tangerang, West Java (staple)

P. T. SHINTA INDAH DJAYA
Nylon 6 Tangerang, West Java (yarn)
Polyester Tangerang *Shinta* (yarn)

P. T. SOUTH PACIFIC VISCOSE
Rayon Purwakarta, West Java (staple)

P. T. SUSILIA INDAH SYNTHETIC FIBRES INDUSTRIES
Polyester Tangerang, West Java (yarn)

P. T. TEXMACO TAMAN SYNTHETIC
Polyester Kaliwungu Kendal, West Java (yarn)

P. T. TIFICO (P. T. Teijin Indonesia Fibre Corp.)
Polyester Tangerang, West Java (yarn & staple)

P. T. TRI REMPOA SOLO SYNTHETIC
Polyester Rempon, Tangerang, West Java* (staple)

P. T. YASINTA
Polyester Tangerang, West Java (yarn)

IRAN

PARSYLON CORPORATION
Nylon 6 Khoram Abad* (yarn)

POLYACRYL IRAN CORPORATION
Acrylic Isfahan (staple)
Polyester Isfahan (yarn & staple)

SHERKAT SAHAMI ALIAF
Nylon 6 Tehran *Aliaf* (yarn)

OLEFIN FIBER

JAHANCITT SPINNING & WEAVING CO. Tehran (P film)

IRAQ

HINDIYA RAYON FACTORY
Rayon Hindiya (reg yarn & staple)

IRELAND, REPUBLIC OF (EIRE)

ASAHI SYNTHETIC FIBRES (IRELAND) LTD.
Acrylic Ballina, Mayo *Cashmilon* (staple)

LIRELLE (IRELAND) LTD.
Polyester Letterkenny, Donegal *Lirelle* (yarn)

SNIA IRELAND LIMITED
Nylon 6 Hazelwood, Sligo *Lilion* (yarn)

WELLMAN INTERNATIONAL LTD.
Nylon 6 & 66 Mullagh, Kells, Meath *Wellon* (staple)
Polyester Mullagh *Filwell, Wellene* (staple)

IRELAND *(Continued)*

OLEFIN FIBER

F. DRAKE (IRELAND) LTD. Moate, Westmeath (P staple)

J. & L. F. GOODBODY (SYNTHETICS) LTD. Clara, Offaly (P yarn & film)

The following companies produce olefin film fiber: IRISH POLYSACKS LTD., Blarney, Cork; IRISH ROPES LTD., Newbridge, Kildare, and POLYTEX LTD.

ISRAEL

ISRAEL CHEMICAL FIBRES LIMITED

Acrylic	Ashdod (staple & tow)

NILIT

Nylon 66	Migdal Ha Emek (yarn)

ITALY

ALBATESSILE S.p.A.(formerly Manifattura Tessile Miroglio)

Polyester	Alba, Piemonte (yarn)

ANICFIBRE S.p.A.

Acrylic	Ottana & Porto Torres, Sardegna & Pisticci, Lucania *Euroacril* (staple & tow)
Nylon 6	Pisticci *Nivion* (yarn & staple)
Polyester	Ottana & Pisticci *Fidion* (yarn, staple & tow)
Polyesteramide	Pisticci (pilot plant) (yarn & staple)

AQUAFIL S.p.A.

Nylon 6	Arco di Trento, Trentino *Aqualon* (yarn)
Polyester	Arco di Trento (yarn)

BEMBERG S.p.A.

Nylon 6	Gozzano, Piemonte *Ortalion* (yarn)
Rayon	Gozzano (cupra yarn)

CALZIFICIO MALERBA See Fimalon S.p.A.

CARPEFIN S.p.A. (affiliate of Anicfibre)

Nylon 6	Forli, Emilia Romagna (yarn)

FILATURA DI VAL LESINA S.p.A.

Polyester	Andalo Valtellino, Lombardia *Valena* (yarn)

FIMALON S.p.A. (formerly Calzificio Malerba)

Nylon 66	Castelnuovo Valsugana, Trentino Alto Adige (yarn)

FORTEX SIDAC S.p.A.

Nylon 6	Forli, Emilia Romagna *Forlion* (yarn)

FRATELLI FRANCHI S.p.A.

Nylon 6	Canapale, Toscana *Frankilon* (yarn)
Polyester	Canapale *Frankilene* (yarn)

MANIFATTURA TESSILE MIROGLIO - See Albatessile S.p.A.

MEMOFIL

Nylon 6	Potenza, Basilicata (yarn)

MONTEFIBRE GROUP• (See Merak)

SOCIETA ITALIANA POLIESTERE S.p.A.

Polyester	Acerra, Campania *Terital* (yarn, staple & tow)

SOCIETA ITALIANA PRODOTTI ACRILIC S.p.A.

Acrylic	Porto Marghera, Veneto *Leacril* (staple & tow)

NOVACETA S.p.A.

Acetate	Magenta, Lombardia (yarn)

RADICI FIL S.p.A.

Nylon 6	Casnigo, Lombardia *Radilal* (yarn & staple)

SETTE STELLE

Nylon 6	Castelgoffredo, Lombardia (yarn)

SNIA FIBRE S.p.A.

Acrylic	Cesano Maderno, Lombardia & Villacidro, Sardegna *Velicren* (staple & tow)
Nylon 6	Castellaccio, Lazio; Cesano Maderno; Varedo, Lombardia, & Villacidro *Lilion* (yarn, staple & tow); Napoli, Campania *Lilionette, Liliontec* (spunbonded)
Polyester	Cesano Maderno; Napoli; & Varedo *Wistel* (yarn, staple & tow)
Rayon	Rieti, Lazio (reg yarn)

SOCIETA INDUSTRIALE CREMONESE S.p.A

Rayon	Pizzighettone, Lombardia (ind yarn)

TORCITURA DI BORGOMANERO S.p.A.

Nylon 6	Milano, Lombardia *Borgolon* (yarn)

OLEFIN FIBER

EUROFIL Gandino, Lombardia (P staple)

FILATURA I DELEBIO S.p.A. Delebio, Lombardia *Delebion* (P yarn)

FILLI FRANA Casnigo, Lombardia (P staple & film)

I.T.S. Legnano, Lombardia (P yarn)

MERAK S.p.A. (part of Montedipe group) Terni, Umbria *Meraklon* (P staple)

NEOFIL S.p.A. Milano (P yarn)

NOVASAR Caronno Pertusella, Lombardia (P yarn & staple)

POLYMECON Zibido S. Giacomo, Lombardia (P staple & film)

SERGEL Casnigo, Lombardia (P staple & film)

SINTOFIL Como, Lombardia (P monofil)

TEXTILE PRODUKTE Villa D'Ogna, Lombardia (P staple)

The following companies produce olefin film fiber: CARPET BACKING S.p.A., Ceniga; I.T.P. LICANA NORD S.p.A., Cassano d'Adda (Milano); DE MAGISTRIS EMILIO, Bagnolo Cremasco; MILANPLAST s.r.l., Milano; MOPLEFAN S.p.A., Milano; NEOFIBRE s.r.l., Lendinara; SACHIM (MUMMOLO), Bari; S.E.A.L. S.p.A., Milano; S.I.S.A.L. S.p.A., Piacenza; STIROSIR S.p.A., Milano; and TESSITURA LOMBARDA DI CONSONNI ELIA ALBIATE.

TEXTILE GLASS FIBER

MONTEDISON
Vado Ligure, Liguria

VETROTEX ITALIA
Besana Brianza, Lombardia (yarn)

JAPAN

ASAHI CHEMICAL INDUSTRY CO., LTD.

Acrylic	Fuji *Cashmilon, Pewlon* (yarn & staple)
Nylon 6/66	Moriyama & Nobeoka *Asahi Kasei Nylon, Leona* (yarn, monofil & spunbonded)
Polyester	Nobeoka *Asahi Kasei Ester* (yarn)
Rayon	Nobeoka (reg & cupra yarn, cupra staple & cupra spunbonded)
Saran	Suzuka (yarn, monofil & staple)
Spandex	Moriyama *Roica*

DAIWA SPINNING CO., LTD.•

Polyester	Harima *Daiwabo Polyester* (staple)
Rayon	Masuda (staple)

FUJI SPINNING CO., LTD.

Rayon	Toyo (staple)
Spandex	Kozakai *Fujibo Spandex*

JAPAN EXLAN CO., LTD.

Acrylic	Saidaiji *Exlan* (staple)

KANEBO, LTD.

Rayon	Hofu (staple)

KANEBO SYNTHETIC FIBERS, LTD.

Acrylic	Hofu *Kanebo Acryl* (staple)
Nylon 6	Hofu *Kanebo Nylon* (yarn)
Polyester	Hofu & Sabae *Kanebo Polyester* (yarn)
Spandex	Hofu *Kanebo Spandex*

KANEGAFUCHI CHEMICAL INDUSTRY CO., LTD.

Modacrylic	Takasago *Kanecaron, Kanekalon* (staple & tow)

KOHJIN CO., LTD.

Polychlal	Yatsushiro *Cordelan* (staple)
Rayon	Yatsushiro (staple)

KURARAY CO., LTD.

Polyester	Saijo & Tamashima *Kuraray Polyester* (yarn & staple)
Rayon	Kurashiki, Saijo & Tamashima (reg yarn)
Vinal	Okayama *Cremona, Kuralon* (yarn, monofil & staple)

KUREHA CHEMICAL INDUSTRY CO., LTD.

Saran	Kaibara & Mibu *Krehalon* (yarn & monofil)
Vinyon	Kaibara & Mibu *Viclon* (monofil)

MITSUBISHI ACETATE CO., LTD.

Acetate	Toyama (yarn & tow)
Triacetate	Toyama (yarn)

JAPAN *(Continued)*

MITSUBISHI RAYON CO., LTD.●
Acrylic Otake *Finel, Silpalon, Vonnel* (yarn & staple)
Polyester Toyohashi *Soluna* (yarn & staple)

NIPPON ESTER CO., LTD.
(subsidiary of Unitika, Kanebo and Mitsubishi Chemical Industry)
Polyester Okazaki & Sabae *Kanebo Ester, Unitika Ester* (yarn & staple)

NISSHIN SPINNING CO., LTD.
Rayon Tokushima (staple)
Spandex Tokushima *Mobilon*

NITIVY CO., LTD.
Vinal Fujieda *Niti-Vilon, Solvron, Vilon* (yarn)

NITTO BOSEKI CO., LTD.● (See Ube-Nitto Kasei)
Rayon Fukuyama (staple)

OMIKENSHI CO., LTD.
Rayon Kakogawa (staple)

TEIJIN LTD.
Aramid Iwakuni *Teijinconex* (staple)
Nylon 6 Mihara *Teijin Nylon* (yarn)
Polyester Ehime, Iwakuni, Matsuyama & Tokuyama *Teijin Tetoron* (yarn & staple)
Vinyon Iwakuni *Teviron* (yarn)

TEIJIN ACETATE LTD. (subsidiary of Teijin Ltd.)
Acetate Matsuyama (yarn)

TOHO BESLON CO., LTD.
Acrylic Mishima *Beslon* (staple & tow)

TOHO RAYON CO., LTD.
Rayon Tokushima *Tovis* (staple)

TORAY INDUSTRIES, INC.
Acrylic Ehime *Toraylon* (staple)
Fluoro Ehime (pilot plant) *Toyoflon* (yarn)
Nylon 6 Aichi, Nagoya, Okazaki & Shiga *Amilan, Toray Nylon* (yarn & staple)
Nylon 6/66 copolymer Aichi *Tapilon* (yarn)
Nylon 66 Aichi *Promilan* (yarn)
Polyester Ehime, Ishikawa, Mishima & Okazaki *Toray Tetoron* (yarn & staple)

TORAY-MONOFILAMENT CO., LTD.
Nylon 6 Okazaki *Toray Nylon* (monofil)

TOYO CHEMICAL CO., LTD.
Vinyon Ofuna *Envilon* (yarn & monofil)

TOYO PRODUCTS CO., LTD.
Spandex Shiga *Opelon* (fused multifil)

TOYOBO CO., LTD.
Nylon 6 Tsuruga *Toyobo Nylon* (yarn)
Polyester Iwakuni & Tsuruga *Toyobo Ester* (yarn & staple)
Promix Tsuruga *Chinon* (yarn)
Rayon Iwakuni *Tufcel* (staple)
Spandex Tsuruga *Espa*

TOYOBO PETCORD CO., LTD.
Polyester Tsuruga *Toyobo Petcord* (yarn)

UNITIKA LTD.
Nylon 6 Uji *Unitika* (yarn, monofil & staple)
Polyester Okazaki *Marix* (ind yarn & spunbonded)

UNITIKA KASEI CO., LTD.
Vinal Sakoshi (Akoh City) *Mewlon* (yarn, monofil & staple)

UNITIKA RAYON CO., LTD.
Rayon Okazaki & Uji (ind & reg yarn)

YOSHIDA KOGYO K.K.
Polyester Kurobe (yarn)

OLEFIN FIBER

CHISSO POLYPRO FIBER CO., LTD. Moriyama *Chisso Polypro, ES Fiber* (P staple & film)

DAIWA SPINNING CO., LTD. Harima *Daiwabo Polypro* (P staple)

HAGIHARA INDUSTRY CO., LTD. Kurashiki (E monofil & film)

HIRATA SPINNING CO., LTD. Yokkaichi *Hiralon* (E & P yarn & monofil)

INABA SEIKO, LTD. Gamagori (E monofil)

KANEYA SEIKO, LTD. Hokkaido & Kushiro (P monofil)

MARUAI CO., LTD. Toyohashi (E monofil)

MITSUBISHI RAYON CO., LTD. Toyohashi *Mitsubishi Pylen* (P yarn & monofil)

MITSUI TOATSU CHEMICALS, INC. Nagoya *Hi Zex* (E monofil)

NAGANO KAKO CO., LTD. Nagano (E monofil)

SHOWA POLYMER CO., LTD. Ibaraki (E monofil & film)

TAI-RAY CO., LTD. Mito *Danzex, Danzex Lite, Liplon* (E monofil, P yarn & monofil)

TANIYAMA CHEMICAL INDUSTRY CO., LTD. Okayama *Tanikalon* (E monofil)

TOA WOOL SPINNING & WEAVING CO., LTD. Tomari *Toabo Polypro* (P staple)

TONEN SEKIYUKAGAKU K.K. (TONEN PETROCHEMICAL CO., LTD.) Kawasaki *Tapyrus* (P spunbonded)

UBE-NITTO KASEI CO., LTD. Fukuyama & Gifu *Polypro, Sun Line, Ube Nitto* (E monofil & P yarn, monofil & staple)

The following companies produce olefin film fiber: DAIDO KASEI, Osaka; FUJIMOTO SANGYO, Osaka; OKAMOTO CHEMICAL, Ehime; SAKAI KASEI, Osaka; SANSO JUSHI, Yokkaichi; SANTO CHEMICAL, Aichi; SEKISUI CHEMICAL, Amagasaki & Nara; TOYAMA, Chiba; WAKO SPINNING CO., Gifu; and YAMAJIN TEXTILE, Fukui.

TEXTILE GLASS FIBER

ASAHI FIBER GLASS CO., LTD.
Ibaraki & Shonan *Glasslon*

ASAHI-SCHWEBEL CO., LTD.
Moriyama

CENTRAL GLASSFIBER CO., LTD.
Matsusaka

FUJI FIBER GLASS CO.
Moka

KANEBO GLASS FIBER CO., LTD.
Gunma *Textoglass*

NIPPON GLASS FIBER CO., LTD.
Ibaraki & Tsu *Micro Glass*

THE NIPPON MINERAL FIBER MFG. CO.
Tarui & Yuki *Superfine*

NITTO BOSEKI CO., LTD.
Fukushima *Iceberg*

PARAMOUNT GLASS MFG. CO., LTD.
Koriyama & Suzuka *Fether Glass*

SANRIKU FIBERGLASS INDUSTRY CO., LTD.
Fujisawa *Sanrifine*

UNITIKA U.M. GLASS CO., LTD.
Kyoto *Unitika U.M.*

KENYA

AFRICA SYNTHETIC FIBER LTD.
Nylon 6 Thika (yarn)
Polyester Thika (staple)

KENYA FIBRE CORPORATION LTD.
Polyester Nanyuki (yarn)

OLEFIN FIBER

UNISACK LTD. Thika (P film)

KOREA, PEOPLE'S DEMOCRATIC REPUBLIC OF (NORTH)

A number of man-made fiber plants are said to be operating in North Korea (see June 1970 ***Organon*** issue, page 113); however, no data for this country are recorded in any table of this issue due to lack of reliable information.

KOREA, REPUBLIC OF (SOUTH)

CHEIL SYNTHETIC TEXTILES COMPANY
Polyester Kumi *Eslon* (yarn & staple)

KOREA, REPUBLIC OF (SOUTH) *(Continued)*

DAEHAN SYNTHETIC FIBER COMPANY
Polyester Pusan & Ulsan *Acelan* (yarn & staple)

HANIL SYNTHETIC FIBER INDUSTRIAL COMPANY
Acrylic Masan *Cashmilon* (staple)

JEIL SYNTHETIC FIBERS COMPANY•
Polyester Seoul *Oplen* (yarn)

KOHAP, LTD.•
Nylon 6 Shihung *Palmylon* (yarn & staple)
Polyester Shihung (yarn & staple)

KOLON INDUSTRIES INC.
Nylon 6 Kumi, Sungsumyun & Taegu *Kolon* (yarn)
Polyester Kumi *Kolon* (yarn)

SAMYANG COMPANY, LTD.
Polyester Chunju *Triron* (yarn & staple)

SUNKYUNG FIBRES LTD.
Acetate Suwon (yarn & tow)
Polyester Suwon & Ulsan *Sunkyung* (yarn & staple)

TAE KWANG INDUSTRIAL COMPANY
Acrylic Ulsan *Acelan* (staple)
Spandex Ulsan

TONG YANG NYLON COMPANY
Nylon 6 Anyang & Ulsan *Toplon* (yarn)
Polyester Ulsan *Toplon* (yarn)

TONG YANG POLYESTER COMPANY
Polyester Ulsan *Toplon* (yarn)

WONJIN RAYON COMPANY, LTD.
Rayon Donong *Coray* (reg yarn & staple)

OLEFIN FIBER

JEIL SYNTHETIC FIBERS COMPANY Seoul *Oplene* (P yarn & staple)

KOHAP, LTD. Shihung *Happylon, Pylon* (P staple)

KUMSUNG SYNTHETIC FIBER CO., LTD. Seoul *Hopelon, Polon* (P staple) (idle)

LUXEMBOURG

TECHNOFIBRES
Polyester Mertert (yarn)

Production and capacity data are combined with Belgium and the Netherlands under "Benelux" on page 84.

OLEFIN FIBER

DU PONT FIBRES S.A. Contern Hesperange *Typar* (P spunbonded)

MALAYSIA

PENFIBRE SDN. BHD.
Polyester Penang (staple)

MALTA

NYLON KNITTING CO. LTD.
Nylon 6 Qormi (yarn)

Production and capacity data are combined with Italy.

MEXICO

CELANESE MEXICANA, S.A.
Acetate Ocotlán, Jalisco (yarn & staple)
Acrylic Zacapu, Michoacán (staple, tow & tops)
Nylon 6 Ocotlán & Toluca, México *Duracel, Nycel* (yarn & staple)
Polyester Ocotlán, Querétaro, Querétaro & Toluca *Crolan* (yarn & staple)
Rayon Zacapu (ind & reg yarn & staple)

CELULOSA Y DERIVADOS, S.A.
Acrylic Atequiza, Jalisco *Crysel* (staple, tow & tops)
Rayon Monterrey, Nuevo León (ind & reg yarn)

FIBRAS QUIMICAS, S.A.
Nylon 6 Monterrey, Nuevo León *Supernylon Cydsa* (yarn & monofil)
Polyester Monterrey *Terlenka* (yarn)

FIBRAS SINTETICAS, S.A.
Acrylic Cotaxtla, Veracruz *Fisisa* (staple, tow & tops)
Nylon 6 México, D.F. *Fisisa* (yarn & monofil)
Polyester Cotaxtla & México *Fisisa* (yarn & staple)

FIBRASOMNI, S.A.•
Nylon 6 Ixtapalapa, D.F. *Omni Nylon* (monofil)
Saran Ixtapalapa *Omni Saran* (monofil)

INDUSTRIAS PETROQUIMICAS MEXICANAS, S.A.
Polyester El Salto, Jalisco *Inpetmex* (yarn)

KIMEX S.A.
Nylon 6 Tlalnepantla, México *Aztecron* (yarn)
Polyester Tlalnepantla *Kintrel* (yarn)

NYLON DE MEXICO, S.A.
Nylon 6 La Leona, Nuevo León *Nylfil* (yarn & staple)
Polyester La Leona *Delcron* (yarn, staple, tow & fiberfill)
Spandex La Leona *Likra* (fused multifil)

PLASTICA MODERNA, S.A. de C.V.
Nylon 6 Tlalpan, D.F. *Perlux* (monofil)

PRODUCTOS PLASTICOS DE PUEBLA, S.A.
Nylon 6 Puebla, Puebla *Prolon* (monofil)

OLEFIN FIBER

FIBRASOMNI, S.A. Ixtapalapa, D.F. *Politen Omni* (E monofil), *Polyprop Omni* (P yarn & monofil)

INDUSTRIAS POLIFIL, S.A. Ixtacuixtla, Tlaxcala *Pliana* (P yarn & staple)

PLASTICOS INDUSTRIALIZADOS, S.A. Monterrey, Nuevo León (P staple)

The following companies produce olefin film fiber: HILOS Y CORDELES, S.A., Tlalnepantla, México; PLASTICEL, S.A., Monterrey, Nuevo León (*Plasticel*); and POLISAC, S.A. (affiliate of Nylon de México, S.A.), Guadalajara, Jalisco (*Polisac*).

TEXTILE GLASS FIBER

VITRO-FIBRAS, S.A.
Zacatenco, D.F. *Vitro-Fibras*

NETHERLANDS

DU PONT DE NEMOURS (NEDERLAND) N.V.
Spandex Dordrecht *Lycra* (fused multifil)

ENKA B.V.
Aramid Arnhem *Arenka* (yarn)
Nylon 6 Emmen *Enka Perlon, Enkalon* (yarn)
Polyester Emmen *Diolen, Terlenka* (yarn & staple)
Rayon Arnhem (ind yarn) & Ede (reg yarn)

OLEFIN FIBER

LANKHORST TOUWFABRIEKEN B.V. Sneek *Tiptolene* (E monofil & P film)

T.T.C. POLYOLEFINS B.V. Nijverdal (P monofil, film & staple)

N.V. VERTO Rotterdam (P film)

TEXTILE GLASS FIBER

SILENKA B.V.
Hoogezand (Groningen) *Enkafort, Silenka*

Cellulosic production and capacity data are combined with Belgium on page 87. Noncellulosic production and producing capacity data are combined with Belgium and Luxembourg under "Benelux" on page 84.

NICARAGUA

OLEFIN FIBER

MANUFACTURERA CENTRO AMERICANA S.A. (MACEN) Managua (P film)

NIGERIA

NICHEMTEX INDUSTRIES LTD.
Polyester Ikorodu, Lagos *Nigerlene* (yarn & staple)

NORWAY

OLEFIN FIBER

A/S PLATON, AVD. TEKSTIL Notodden *Filmtex* (E & P film)

NORFIL/NORPACK A/S Stavern, near Larvik *Akvaflex* (P yarn, E & P monofil & film)

STAL OG TAU Tonsberg *Norseflex* (P film)

TEXTILE GLASS FIBER

NORSK GLASSFIBER A/S
Birkeland

PAKISTAN

BENGAL FIBER INDUSTRIES, c/o BENGAL OIL MILLS LIMITED
Nylon 6 Karachi *Nylpak* (yarn)

DILON LIMITED
Nylon 6 Landhi *Dilon* (yarn)
Polyester (yarn *)

GATRON INDUSTRIES LIMITED
Polyester Hub Chowki (yarn)

ICI PAKISTAN MANUFACTURERS LTD.
Polyester Lahore *Tere-Pak* (yarn & staple)

NATIONAL FIBERS LIMITED
Polyester Korangi, Karachi (yarn & staple)

NILOM NYLON MILLS LIMITED
Nylon 6 Lyallpur *Nilom* (yarn & monofil)

PAK FIBRE INDUSTRIES LIMITED
Polyester Hub Chowki (yarn)

RAVI RAYON LIMITED
Acetate Kala Shah Kaku, Sheikhupura District (yarn)

RUPALI POLYESTER LIMITED
Polyester Karachi * (yarn)

S.G. RAYON MILLS LIMITED
Polyester Karachi (yarn)

PERU

BAYER INDUSTRIAL S.A.
Acrylic Lima *Dralon* (staple)

FILAMENTOS INDUSTRIALES, S.A.
Polyester Lima (yarn)

MANUFACTURA NYLON S.A.
Nylon 6 Vitarte, near Lima (yarn)
Polyester Vitarte *Diolen* (staple)

MANUFACTURAS DEL SUR S.A.
Nylon 6 Arequipa *Long Life, Mistilon* (yarn)
Polyester Arequipa (yarn & staple)

RAYON Y CELANESE PERUANA S.A.
Acetate Lima (yarn)
Polyester Lima *Forcel* (yarn, staple, tow & tops)

RETEX PERUANA, S.A.
Nylon 6 Ventanilla, Callao (yarn)

The following companies produce olefin film fiber: NORSAC S.A., Trujillo; POLICEL DEL PERU S.A., Lima; SACOS DEL SUR S.A., Arequipa, and SACOS PISCO S.A., Pisco.

PHILIPPINES, REPUBLIC OF THE

FILIPINAS SYNTHETIC FIBER CORPORATION
Polyester Sta. Rosa, Laguna *Filsyn* (yarn & staple)

LAKEVIEW INDUSTRIAL CORPORATION
Polyester Carmona, Rizal *Licron* (yarn & staple)

PHILIPPINE POLYAMIDE INDUSTRIAL CORPORATION (PPIC)
Nylon 6 Calamba, Laguna *Philippine Polyamide* (yarn)

TEXFIBER CORPORATION
Nylon 6 Taytay, Rizal *Texfiber* (yarn)

OLEFIN FIBER

INDUSTRIAL TEXTILE MANUFACTURING CO. (ITEMCOP)
Mandaluyong, Rizal (P film)

MANILA CORDAGE COMPANY Manila (P film)

POLAND

CHODAKOWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Sochaczew (reg yarn)

WROCŁAWSKIE ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX"
Rayon Wrocław (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"
Acrylic Łódź *Anilana* (staple)
Azlon Łódź *Wipolan* (staple, casein base)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-CELWISKOZA"
Polyester Jelenia Góra *Elana* (staple)
Rayon Jelenia Góra (staple)
Spandex Jelenia Góra (pilot plant) *Elaston* (yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "ELANA"
Polyester Toruń, Bydgoszcz *Torlen* (yarn), *Elana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "STILON"
Nylon 6 Gorzów Wielkopolski *Lanastil, Stilon* (yarn), *Polana* (staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"•
Rayon Szczecin-Zydowce (reg yarn)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISTOM"
Rayon Tomaszów Mazowiecki, Łódź (ind & reg yarn & staple)

OLEFIN FIBER

ZAKŁADY PRZEMYSŁU LNIARSKIEGO LENKO Bielsko-Biała (P film)

ZAKŁADY PRZEMYSŁU LNIARSKIEGO SKARBKÓW Mirsk, Wrocław (P staple)

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-WISKORD"
Szczecin-Zydowce (P staple)

TEXTILE GLASS FIBER

KROSNIENSKIE HUTY SZKŁA
Krosno

ZAKŁADY WŁOKIEN CHEMICZNYCH "CHEMITEX-ANILANA"
Łódź *Polsilon*

PORTUGAL

COMPANHIA INDUSTRIAL DE FIBRAS ARTIFICIAIS (CIFA), S.A.R.L.
Nylon 6 Sobrado, Valongo *Cifalon* (yarn)
Rayon Sobrado (reg yarn & staple)

FIBRAS SINTÉTICAS DE PORTUGAL, S.A.R.L. (FISIPE)
Acrylic Lisbon *Vonnel* (staple, tow & tops)

FINICISA - FIBRAS SINTÉTICAS, S.A.R.L.
Polyester Portalegre, Alto Alentejo *Terylene* (staple)

TÊXTIL ARTIFICIAL DO PORTO, LDA.
Rayon Porto (reg yarn)

OLEFIN FIBER

ALICATIFAS DA LOUSA (P staple)

FERCOL (P staple)

LUSOTUFO (P staple)

QUIMIGAL - QUIMICA DE PORTUGAL, E.P. Barreiro (P staple & film)

The following companies produce olefin film fiber: CERFIL, Maia Douro; CORDEX - COMPANHIA INDUSTRIAL TÊXTIL, S.A.R.L., Esmoriz; COTESI - COMPANHIA DE TEXTEIS SINTETICOS S.A.R.L., Carvalhos; EUROFIL - INDUSTRIAS DE PETROLEOS PLASTICOS E FILAMENTOS, S.A.R.L., Lisbon; FÁBRICA DE TAPETES VITORIA, Mira d'Aire; FERNANDES & COSTA, LDA., Seia; MANUEL RODRIGUES DE LIMA & FILHOS, Cortegaca; MANUEL RODRIGUES D'OLIVEIRA, S.A. LDA., M. Maia; QUINTAS & QUINTAS, Povoa de Varzim; and SICOR - SOCIEDADE INDUSTRIAL DE CORDOARIA S.A.R.L., Cortegaca.

TEXTILE GLASS FIBER

QUIMIGAL - QUIMICA DE PORTUGAL, E.P.•
Barreiro

ROMANIA

COMBINATUL DE FIBRE ARTIFICIALE
Rayon Brăila, Dej * & Suceava * (ind yarn & staple)
Polyester Vaslui (yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOFIL"
Rayon Popesti-Leordeni, near Bucureşti (reg yarn)

FABRICA DE FIBRE ARTIFICIALE "VISCOZA"
Rayon Lupeni (reg yarn)

UZINA DE FIBRE SINTETICE IAŞI
Polyester Iaşi *Teron* (yarn, staple, tow & tops)

UZINA DE FIBRE SINTETICE SĂVINEŞTI
Acrylic Săvineşti, near Piatra Neamt (Bacau Region) *Melana* (staple & tops)
Nylon 6 Săvineşti *Relon* (yarn & staple)

SOUTH AFRICA, REPUBLIC OF

CONSOLIDATED TEXTILE MILLS (part of Frame Group of Companies)
Polyester Jacobs, Natal (yarn & staple – captive)

HOECHST SOUTH AFRICA (PTY.) LTD.
Polyester Milnerton, Cape Province *Trevira* (staple)

KAYMAC INDUSTRIES
Polyester Atlantis Cape *Bidim* (spunbonded)

SOUTH AFRICAN NYLON SPINNERS (PTY.) LIMITED
Nylon 66 Bellville, Cape Province *Bri Nylon* (yarn)
Polyester Bellville & Hammarsdale, Natal *Terylene* (yarn)

OLEFIN FIBER

ROMATEX MILLS Jacobs, Natal (P film)

SPAIN

BRILEN S.A.
Polyester Barbastro, Huesca & Igualada, Barcelona (yarn & staple)

CYANENKA S.A.
Acrylic Prat de Llobregat, Barcelona *Crilenka* (staple & tow)

INDUSTRIAS DEL ACETATO DE CELULOSA, S.A. (INACSA)
Acetate La Batlloria, Barcelona (yarn)

INDUSTRIAS QUIMICAS TEXTILES S.A. (INQUITEX)
Nylon 6 Andoain, Guipuzcoa *Carbyl, Nylbair, Trinyl* (yarn & staple)

LA SEDA DE BARCELONA, S.A.
Nylon 6 Alcalá de Henares, Madrid *Dayan, Enkalon* (yarn & staple)
Polyester Prat de Llobregat, Barcelona *Terlenka* (yarn & staple)
Rayon Prat de Llobregat (ind & reg yarn)

MONTEFIBRE HISPANIA S.A.
Acrylic Miranda de Ebro, Burgos *Leacril* (staple)

NUREL S.A.
Nylon 6 Zaragoza, Zaragoza *Nurel* (yarn)
Polyester Zaragoza *Terylene* (yarn & staple)

SOCIEDAD ANONIMA DE FIBRAS ARTIFICIALES (SAFA)
Nylon 66 Blanes & San Julian de Ramis, Gerona *SAFA* (yarn & staple)
Polyester Blanes *Tergal, Teriber* (yarn & staple)

SOCIEDAD NACIONAL DE INDUSTRIAS APLICACIONES CELULOSA ESPANOLA, S.A. (SNIACE)
Nylon 6 Torrelavega, Santander *Lilion* (yarn)
Rayon Torrelavega (staple)

OLEFIN FIBER

PAULAR, S.A. – EMPRESA PARA LA INDUSTRIA QUIMICA Puertollano, C.R.
Istrakin (P monofil & film)

PROFILEX (P staple)

PROPILAN (P staple)

SERINA TEXTIL (P staple)

SOCIEDAD ANONIMA ITALO ESPANOLA (SAITES) Sabadell, Barcelona
(P staple & film)

TEXTIL ARMENGOL Bruch, Barcelona (P staple & film)

The following companies produce olefin film fiber: CONDEROLS S.A., Granada; CORDELERIAS BARAS S.A., Gijon, Asturias; CORDELERIAS MAR S.A., Vigo, Pontevedra; HILATURAS Y CORDELERIA S.A. "HILCOSA," Barcelona; HIRESA, Callosa de Segura, Alicante; and YUTE INDUSTRIAL S.A., Valencia.

TEXTILE GLASS FIBER

FIBRAS MINERALES, S.A.
Alcalá de Henares, Madrid *Vitrotex*

SWEDEN

SONESSON PLAST AB•
Nylon 6/66 Malmö (monofil)

SVENSKA RAYON AKTIEBOLAGET
Rayon Älvenäs, Valberg (staple)

OLEFIN FIBER

SONESSON PLAST AB Malmö *Laveten* (E & P monofil)

TEXTILE GLASS FIBER

SCANDINAVIAN GLASFIBER AKTIEBOLAG
Falkenberg

SWITZERLAND

EMS INDUSTRIES, LTD.
Nylon 6 Ems, Graubünden *Grilon* (yarn & staple)
Polyester Domat/Ems *Grilene* (staple)

VISCOSUISSE AG
Nylon 6/66 Emmenbruecke, Luzern & Widnau, St. Gallen *Nylsuisse, Flixor*
Polyester Widnau *Tersuisse* (yarn)

The following companies produce olefin film fiber: AROVA SCHAFFHAUSEN A.G., Schaffhausen and VOGT & CO., Reinach.

TAIWAN

CENTURY CHEMICAL INDUSTRY CORPORATION
Polyester Tainan *Centuron* (yarn)

CHENTA CHEMICAL INDUSTRIAL CORPORATION
Nylon 6 Kaohsiung *Rabbit* (yarn)

CHINA MAN-MADE FIBER CORPORATION
Rayon Tou Fen *Queen* (reg yarn & staple)

FORMOSA CHEMICALS & FIBER CORPORATION (part of Formosa Plastics Group)
Nylon 6 Chang Hwa *Sunylon* (yarn)
Rayon Chang Hwa *Tarsiyon* (reg yarn & staple)

FORMOSA PLASTIC CORPORATION (part of Formosa Plastics Group)
Acrylic Kaohsiung & Lanchu *Tairylan* (staple, tow & tops)

HSIEH CHIN FISHING NET COMPANY, LTD.•
Nylon 6 Kaohsiung *Hsieh Chin* (monofil – captive)

HUALON-TEIJIN CORPORATION
Nylon 6 Chungho, Tao Yuan & Tou Fen (yarn)
Polyester Chungho, Tou Fen & Yim Kao *Hualon* (yarn & staple)

HUNG CHOU CHEMICAL INDUSTRY COMPANY, LTD.
Polyester Kwei Shan *Hunvira* (yarn)

JANG DAH NYLON INDUSTRIAL COMPANY, LTD.
Nylon 6 Hsin Tien *Yuan Pao* (yarn)

NAN YA PLASTIC CO., POLYESTER FIBER DIVISION
(part of Formosa Plastics Group)
Polyester Tai Shan *Tairilin* (yarn & staple)

ORIENTAL CHEMICAL FIBER CORPORATION (associated with Far Eastern Textile Ltd.)
Polyester Hsin Chu *Eastlene, Eastlon* (yarn & staple)

PACIFIC ENTERPRISES LTD.
Nylon 6 Tao Yuan *P.E.L.* (yarn)
Polyester Tao Yuan (yarn)

SAN YUAN HSING ENTERPRISE COMPANY
Nylon 6 Kaosiung (monofil – captive)

SHINKONG SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *Shinlon* (yarn & staple)

SYNTHETIC FIBER MILLS CORPORATION
Nylon 6 Tao Yuan *Synlon* (yarn)

TA MING FIBERS INDUSTRIAL CORPORATION
Nylon 6 Tao Yuan *Ta Ming Nylon* (yarn)
Polyester Toa Yuan *Poylon* (yarn)

TA SHING CHEMICAL FIBER CO., LTD. (associated with Chung Shing Textile Co., Ltd.)
Nylon 6 Tao Yuan *Tasinlon, Three Gun* (yarn)
Polyester Tao Yuan *Tasinlon* (yarn & staple)

TAINAN SPINNING CO., LTD.
Polyester Tainan *Nanlon* (yarn & staple)

TONG HWA SYNTHETIC FIBER CO., LTD.
Acrylic Chu Pei *Townflower* (staple & tow)

TUNG HO SPINNING WEAVING & DYEING CO., LTD.
Polyester Tainan *Pearlylene* (staple)

TUNTEX FIBER CO., LTD.
Polyester Hsin Su *Tuntex* (yarn)

UNITED SYNTHETIC FIBERS CORPORATION
Polyester Tao Yuan *King Long* (staple)

VANLON FIBERS INDUSTRIAL CORPORATION
Nylon 6 Tao Yuan *Vanlon* (yarn)
Polyester Tao Yuan *Vanlon* (yarn)

YU HO FIBER INDUSTRIAL CORPORATION
Polyester Tao Yuan *Luxlen* (yarn)

TAIWAN *(Continued)*

YUNG CHIN FIBER CO., LTD.
Nylon 6 Kaohsiung *Hailon* (yarn)

OLEFIN FIBER

CHIA YANG INDUSTRIAL CO., LTD. Hsi-Chih (P monofil)

CHIEN SUN PLASTIC INDUSTRIAL CO., LTD. Hsin Chu (E & P film)

CHINA FOLEX CORPORATION Shih Lin (E & P monofil)

CHUNG KUANG PLASTIC CO., LTD. Chang-Hua (E & P film)

FULLMARK INDUSTRIAL CO., LTD. Hsin Chu (E & P monofil)

FUU WON CHEMICAL INDUSTRIAL CO., LTD. Tu-Chen (P yarn)

HSIEH CHIN FISHING NET COMPANY, LTD. Kaohsiung *Hsieh Chin* (E monofil - captive)

HUNG FENG ENTERPRISE CO., LTD. Yang-Mei (P monofil)

IEN YI FIBER INDUSTRIAL CO., LTD. Chi-Do Goble (E monofil)

JUI I CHEMICAL INDUSTRIAL CO., LTD. Tou-Yuan (E & P monofil)

KUO HSIANG ENTERPRISE CO., LTD. Yang Mei (E & P monofil)

LIEN FU CHEMICAL COMPANY LTD. Tou-Fen (E & P monofil)

MEI LON FIBER CO., LTD. Chang Hua (E monofil)

PAO TSUNG TAI INDUSTRIAL COMPANY LTD. Tainan (P film)

POLON FIBER INDUSTRIAL CO., LTD. Chung-Li (P monofil)

SAN YANG INDUSTRIAL COMPANY LTD. Nei Hu Hsiang (P film)

TAI YEE CHEMICAL INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

UNITED FIBER INDUSTRIAL CO., LTD. Chung-Li (E & P monofil)

YAO CHENG PLASTIC CO., LTD. Pan-Chiao (P yarn)

THAILAND

ASIA FIBER CO. LTD.
Nylon 6 Samut Prakarn *AFC* (yarn)

HANTEX CORPORATION LTD.
Nylon 6 Mahacha, Samut Sakorn (yarn)

ORIENTAL FIBRE
Polyester Samut Sakorn (yarn)

TEIJIN POLYESTER (THAILAND) LTD.
Polyester Pathumthani, Bangkok *TEIJIN TETORON* (yarn & staple)

THAI MELON POLYESTER CO. LTD.
Polyester Pathumthani, Bangkok (yarn & staple)

THAI RAYON CO., LTD.
Rayon Ang Thong (staple)

TORAY NYLON THAI COMPANY
Nylon 6 Bangkhen, Bangkok *TNT* (yarn & monofil)
Polyester Bangkhen *TNT* (yarn)

TURKEY

AKRILIK KIMYA SANAYII A.S. (AKSA)
Acrylic Yalova *Aksa* (staple)

FILAMENT SENTETIK IPLIK VE ELYAF SANAYII A.S.
Polyester Bursa *Filament* (yarn & staple)

GEMLIK SUNI IPEK VE VISKOZ MAMULLERI SANAYII MÜESSESESI
(GEMLIK ARTIFICIAL SILK & VISCOSE PRODUCTS INDUSTRY)
(Operated by The Sumerbank)
Rayon Gemlik (staple)

INSA ISTANBUL NAYLON SANAYII A.S.
Nylon 6 Istanbul *Islon* (yarn)
Polyester Istanbul (yarn)

M.N. SABUNCU
Polyester Adana *MNS* (yarn) (idle)

NERGIS
Polyester Bursa (yarn)

POLYLEN SENTETIK IPLIK SANAYII A.S.
Polyester Bursa *Polylene* (yarn)

SANCAK TÜL SANAYII LTD., STI.
Polyester Istanbul *Lalelen* (yarn) (idle)

SASA SUNI VE SENTETIK ELYAF SANAYII A.S.
Polyester Adana *Perilon* (yarn & staple)

SENTETIK IPLIK FABRIKALARI, A.S. (SIFAS)
(SYNTHETIC YARN FACTORIES CORPORATION)
Nylon 6 Bursa *SIFAS* (yarn & staple)
Nylon 66 Bursa (yarn)
Polyester Bursa (yarn & staple)

SISAS
Polyester Canakkale* (yarn)

TEKSTIPLIK SANAYII VE TICARET A.S.
Nylon 6 Edime *Dimlon* (yarn)

YALOVA ELYAF VE IPLIK SANAYII VE TICARET A.S.
Acrylic Yalova *Yalova* (staple & tow)
Modacrylic Yalova *Yalova* (staple & tow)

OLEFIN FIBER

BEZCI ELYAF SANAYII A.S. Istanbul

DINARSU ELYAF SANYAYII A.S. Cerkezkoy, Tekirdag (P staple)

ELSAN ELYAF SANAYII VE TICARET A.S. Istanbul (P staple)

HALICIOGLU ELYAF SANAYII A.S. Haskoy, Istanbul (P staple)

SESAS ELYAF SANAYII A.S. Istanbul

TEXTILE GLASS FIBER

CAM ELYAF SANAYII A.S.
Cayirova-Gebze (Izmit)

UNION OF SOVIET SOCIALIST REPUBLICS

The incomplete and perhaps inaccurate plant listings shown on page 93 of the June 1971 issue are not repeated here.

Rayon plants have been reported at Balakovo, Barnaul, Cherkassy (Ukraine), Kalinin, Kamensk, Kiev, Klin, Krasnoyarsk, Leningrad, Mogilev, Ryazan, Saratov, Sokol, Sverdlovsk and Svetlogorsk.

Acetate plants have been reported at Engels, Fergana, Kaunas, Kirovakan and Moscow.

Nylon plants are reported at Barnaul, Chemigov, Daughavpils, Engels, Grodno, Kemerovo, Kiev, Klin, Kursk, Leningrad, Rustavi, Shchekino and Zhitomer.

Other noncellulosic fiber plants are located at Kustanay (vinyon), Minsk (polyester), Mogilev (polyester), Navoi, Polotsk (acrylic+modacrylic) and Saratov.

Textile glass fiber plants are reported at Astrakhan, Kalinin, Khabarovsk, Leningrad, Mingechaur, Moscow, Polotsk, Salavat, Saratov, Sevan and Severodonetsk.

UNITED KINGDOM

ANGLIA FIBRES PLC•
Polyester Hadleigh, Suffolk (monofil)
Polyvinylfluoride Hadleigh *Kynar* (monofil)
Saran Hadleigh *Saran* (monofil)

COURTAULDS, PLC
Acrylic Grimsby, Lincolnshire *Courtelle* (staple)
Modacrylic Coventry, Warwickshire *Teklan* (staple)
Rayon Grimsby & Holywell, Clwyd, Wales (staple)

COURTAULDS ACETATE PLC
Acetate Coventry, Warwickshire, Spondon, Derbyshire, & Wrexham, Clwyd, Wales (yarn & staple)
Triacetate Coventry & Spondon (yarn & staple)

DENEDOVE
Polyester (yarn)

DU PONT (U.K.) PLC
Spandex Maydown, Londonderry, N. Ireland *Lycra* (fused multifil)

HOECHST FIBRE INDUSTRIES UK PLC
Polyester Limavady, Londonderry, N. Ireland *Trevira* (yarn & monofil)

ICI FIBRES (a division of Imperial Chemical Industries PLC)
Biconstituent Pontypool, Gwent, Wales *Cambrelle, Floratex, Terram* (melded fabrics)
Nylon 66 Doncaster, Yorkshire, Gloucester, Gloucestershire, & Pontypool *Bri-Nylon, Counterstat, Pavanne, Tendrelle, Timbrelle* (yarn, staple & tow)
Polyester Pontypool & Wilton, Yorkshire *Milvelle, Terylene* (yarn, staple & tow)

MONTIFIBRE
Acrylic Coleraine, Londonderry, N. Ireland (staple, tow & tops)

UNITED KINGDOM *(Continued)*

NYMOFIL PLC
Nylon 6 & 66 Poulton-le-Fylde, Lancashire (monofil)
Polyester Poulton-le-Fylde (monofil)

PERI-LUSTA PLC
Nylon 6/66 Leek, Staffordshire (monofil)

PLASTICISERS PLC●
Nylon 6 & 66 Drighlington, Yorkshire *Dimafil* (yarn)

OLEFIN FIBER

AMOCO FABRICS, DIVISION OF AMOCO (U.K.) PLC
Consett, Durham (P film)

ANGLIA FIBRES PLC Hadleigh, Suffolk *TPX* (E & P monofil)

BELFAST ROPEWORK CO. PLC Belfast, N. Ireland *Bluebell* (E & P monofil, P yarn, staple & film)

CROMPTON AND BROTHERS (P staple)

DON FIBRES PLC Forfar, Angus, Scotland (P yarn, monofil, staple & film)

F. DRAKE (FIBRES) PLC Colcar, Huddersfield, Yorkshire *Gymlene* (P staple)

FILTRONA TEXTILE PRODUCTS PLC Dundee, Angus, Scotland *Filtrona* (P film), *Filtrona Fibre* (P staple)

FLEMMING'S ROPE & TWINES (WOOLSTON) PLC Warington, Lancashire (P monofil)

GREENVILLE CARPETS PLC Belfast, N. Ireland (P yarn)

HALL'S BARTON ROPERY CO. PLC Hull, Yorkshire (P film and E & P monofil)

THE HAWKINS AND TIPSON GROUP Hailsham, East Sussex (P staple & film)

McCLEERY L'AMIE GROUP PLC Belfast, N. Ireland (P yarn)

NORTHERN IRELAND CARPETS PLC Belfast, N. Ireland (P staple)

PLASTICISERS PLC Drighlington, Yorkshire *Drylene* (E monofil), *Charisma, Duron, Fibrite, Tritor* (P yarn, monofil, film & staple)

POLYOLEFIN FIBRES & ENGINEERING PLC Bradford, Yorkshire *Downspun* (P staple)

The following companies produce olefin film fiber: BONAR TEXTILES PLC, Dundee, Angus, Scotland; BRIDON FIBRES & PLASTICS PLC, Gateshead & Sunderland, Durham & Wallsend, Northumberland *Broplene, Red Star, Viking*; FAIRBAIRN LAWSON PACKAGING PLC, Barnsley, Yorkshire; POLYTAPE PLC, Dundee, Angus, Scotland *Propafil, Propatape*; ROKO CONTAINERS Nottingham; ROTHES PLASTICS PLC, Glenrothes, Fife, Scotland; SMITH & NEPHEW POLYFABRIK PLC, Newhey, near Rochdale, Lancashire *Polyweave*; SYNTHETIC FABRICS (SCOTLAND) PLC, Forfar, Angus; SYNTHETIC INDUSTRIES (IRELAND) PLC, Newry, Down, N. Ireland; TALBOT WEAVING CO. PLC, Chorley, Lancashire; and TAY TEXTILES, Dundee, Angus, Scotland.

TEXTILE GLASS FIBER

FIBREGLASS PLC (subsidiary of Pilkington Brothers PLC)
Wrexham, Clwyd, Wales *Fiberglass*

TBA INDUSTRIAL PRODUCTS PLC
Camberley, Surrey & Hindley Green, Lancashire

FIBREGLASS-REGINA, a joint venture of FIBREGLASS PLC and the BBA GROUP PLC, is producing textile glass tissue (voile) at Liversedge and St. Helens, Merseyside.

UNITED STATES OF AMERICA

ALBANY INTERNATIONAL - MONOFILAMENT PLANT
Fluoro Homer, NY *Halar, Kynar, Teflon, Tefzel* (monofil)
Nylon 6, 66 & 612 Homer (monofil)
Polyester Homer (monofil - regular & hydrolysis resistant)

ALLIED FIBERS AND PLASTICS COMPANY
Nylon 6 Columbia, SC & Hopewell, VA *A.C.E., Anso, Caprolan, Nypel* (yarn, monofil & staple)
Polyester Moncure, NC *A.C.E.* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DIVISION
Acrylic Santa Rosa, FL *Creslan* (staple & tow)

AMERICAN ENKA COMPANY, A PART OF AKZONA, INC.
Nylon 6 Enka, NC, Central, SC & Lowland, TN *Crepeset, Enka, Enkaloft, Enkalure, Enkasheer, Enkatron, Multisheer, Phase 7, Softalon, Zantrel* (yarn, monofil & staple)
Polyester Central & Lowland *Encron, Encron 8, Enka, Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn & staple)
Rayon Lowland (staple)

AMERICAN HOECHST CORPORATION, HOECHST FIBERS INDUSTRIES DIVISION
Polyester Spartanburg, SC *Trevira* (yarn & staple), Delaware City, DE (monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION●
Nylon 6, 66, 612 & 11 Odenton, MD (monofil)
Polyester Odenton (monofil)
Saran Odenton (monofil)

AVTEX FIBERS INC.
Acetate Meadville, PA (yarn)
Polyester Lewistown, PA *Avlin* (yarn)
Rayon Front Royal, VA (ind yarn & staple)
Vinyon Meadville (staple)

BADISCHE CORPORATION
Acrylic Williamsburg, VA *Zefran* (staple)
Nylon 6 Anderson, SC *Zeftron* (yarn & staple)

BERKLEY & CO. INC.●
Nylon 6 Spirit Lake, IA (monofil)

CAMAC CORPORATION●
Nylon 6 Bristol, VA *Camaion* (yarn)

CELANESE FIBER OPERATIONS, A DIVISION OF CELANESE CORPORATION
(includes former Fiber Industries plants)
Acetate Cumberland, MD (Amcelle), Rock Hill, SC (Celriver) & Narrows, VA (Celco) (yarn, staple & tow)
Polyester Fayetteville, Salisbury & Shelby, NC and Darlington & Greenville, SC *Angelette, Ceylon, Comfort Fiber, ESP, Fortrel, Loftguard, PolarGuard, Serene, Superba* (yarn, staple, tow & fiberfill)
Triacetate Cumberland & Rock Hill *Arnel* (yarn, staple & tow)

CORTLAND LINE COMPANY
Nylon 6 Cortland, NY (monofil - captive)

COURTAULDS NORTH AMERICA INC.
Nylon 6 Le Moyne, Mobile County, AL *Courtaulds, Shareen* (yarn & monofil)
Rayon Le Moyne (staple)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)●
POLYMER PRODUCTS DEPARTMENT
Nylon 6, 66, 612 & Polyester Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

TEXTILE FIBERS DEPARTMENT●
Acrylic Camden, SC & Waynesboro, VA *Orlon* (staple & tow)
Aramid Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Fluoro Richmond *Teflon* TFE- & FEP-fluorocarbon fiber (yarn, monofil, staple, tow & flock)
Nylon 66 Seaford, DE, Camden, SC, Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Cantrece, Cordura, Du Pont, Hyten* (yarn, monofil, staple & tow)
Nylon-Other Chattanooga (yarn)
Polyester Kinston & Wilmington, NC, Camden & Charleston, SC and Chattanooga & Old Hickory, TN *Dacron, Hollofil* (yarn, staple, tow & fiberfill), *Reemay* (spunbonded), *Sontara* (spunlaced)
Spandex Waynesboro *Lycra* (fused multifil or coalesced monofil)

EASTMAN KODAK COMPANY
CAROLINA EASTMAN COMPANY
Polyester Columbia, SC *Kodel* (yarn & staple)
TENNESSEE EASTMAN COMPANY
Acetate Kingsport, TN (yarn)
Modacrylic Kingsport *Verel* (staple)
Polyester Kingsport *Kodel* (yarn & staple)

FIBER INDUSTRIES, INC. - See Celanese Fiber Operations

FIRESTONE FIBERS & TEXTILES COMPANY, DIVISION OF FIRESTONE TIRE & RUBBER COMPANY
Polyester Hopewell, VA (yarn)

U.S.A. *(Continued)*

GLOBE MANUFACTURING CO.
Spandex Fall River, MA & Gastonia, NC *Cleerspan, DC 100, DC 700, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, CHEMICAL DIVISION
Polyester Scottsboro, AL & Point Pleasant, WV (yarn captive)

GUILFORD MILLS, GAINESVILLE DIVISION
Nylon 6 Gainesville, GA (yarn & monofil - captive)

HANOVER MILLS, INCORPORATED (subsidiary of Falk Fibers & Fabrics, Inc.)
Nylon 6 Yanceyville, NC *Hanover* (yarn & monofil)

JOHNSON FILAMENTS, INC. (subsidiary of JWI Ltd.)
Nylon 6/66 Williston, VT (monofil)
Polyester Williston (monofil)

KAYSER-ROTH CORPORATION, YARN PROCESSING DIVISION
Nylon 66 Creedmoor, NC (yarn - captive)

MONOFILAMENTS, INC.
Nylon 6/66 Waynesboro, VA (monofil)
Polycarbonate Waynesboro (monofil)
Polyester Waynesboro (monofil)

MONSANTO COMPANY
MONSANTO FIBERS AND INTERMEDIATES CO.
Acrylic Decatur, AL *Acrilan, Bi-Loft, Fi-Lana, Pa-Qel, Remember, So-Lara* (staple & tow)
Modacrylic Decatur *SEF* (staple & tow)
Nylon 66 Pensacola, FL & Greenwood, SC *Blue C, Cadon, Cumuloft, Ultron, Ultron Z* (yarn, monofil & staple), *Cerex* (spunbonded)
MONSANTO POLYMERS AND RESINS COMPANY
Nylon 66 Pensacola *AstroTurf* (recreational & landscaping surfaces)

NORTH AMERICAN RAYON CORPORATION
Rayon Elizabethton, TN (ind & reg yarn and tow)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION
Nylon 6/66 Columbia, SC *Sooflex, Superflex, S_3, Wonderthread* (monofil)
Polyester Columbia *Shakespeare Wonderthread* (monofil)

STAR FIBERS, INC.
Nylon 6 Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. (includes former Omega Yarns facility)
Polyester Ansonville & Asheboro, NC (yarn)

UNIVERSAL POLYMER PRODUCTS CORPORATION
(subsidiary of Falk Fibers & Fabrics, Inc.)
Polyester Fuquay-Varina, NC (yarn & monofil)

WELLMAN, INC., MAN-MADE FIBER DIVISION
Nylon 6 & 66 Johnsonville, SC *Wellon, Wellstrand* (monofil, staple, tow & tops)
Polyester Johnsonville *Wellene* (monofil, staple, tow & tops)

OLEFIN FIBER

ACS INDUSTRIES, INC. Woonsocket, RI (P yarn)

AMERICAN MANUFACTURING COMPANY
HONESDALE ROPE DIVISION Honesdale, PA (E & P monofil & film)
LAFAYETTE ROPE DIVISION Lafayette, LA *Amco, American, Bondtie, Floterope* (E & P monofil)

AMETEK INC., SPECIAL FILAMENTS DIVISION Odenton, MD (E & P monofil)

AMOCO FABRICS COMPANY, PATCHOGUE-PLYMOUTH DIVISION
Andalusia & Roanoke, AL, Bainbridge, Hazlehurst & Nashville, GA & Afton, VA *Marquesa Lana, Patlon, Patlon Plus* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC. Lowell, MA (P film)

ARMSTRONG WORLD INDUSTRIES, INC. Charlotte, NC (P film captive)

BEMIS COMPANY, INC. St. Louis, MO (P film)

BERKLEY & CO. INC. Spirit Lake, IA (E & P monofil captive)

BLUE MOUNTAIN EXTRUSIONS Anniston, AL *Gold Medal, Poly Autotwine, Poly Macrame, Polylasting, TY-EZ Polytape, Tylon, Tytite* (E & P film)

BRIDON CORDAGE INC. Albert Lea, MN (P film)

CAMAC CORPORATION Bristol, VA (P yarn)

CHASE BAG COMPANY Orange, CA & New Orleans, LA (P film)

CHEVRON FIBERS, INC. See Polyloom Corporation of America

COLUMBIAN ROPE COMPANY Jefferson, LA & Auburn, NY *Manipro, Poly K, Pony Twine, Polypro 6, Radiant Twine* (E & P monofil & film)

CONCORDE FIBERS, INC. Jamestown, SC (P yarn)

CROWE ROPE COMPANY Warren, ME *Crowelon* (P monofil)

CROWN ZELLERBACH CORPORATION, NONWOVEN FABRICS DIVISION
Washougal, WA *Fibretex* (P spunbonded)

E. I. DU PONT DE NEMOURS & COMPANY (INC.), TEXTILE FIBERS DEPT.
Old Hickory, TN & Richmond, VA *Typar* (P spunbonded), *Tyvek* (E spunbonded)

ELIZABETH WEBBING MILLS CO., INC. Central Falls, RI (P film)

ENSIGN-BICKFORD INDUSTRIES, INC., FILM FIBERS DIVISION
Simsbury, CT (P film)

EXXON CHEMICAL AMERICAS, INDUSTRIAL TEXTILES DIVISION
Kingman, KS & Summerville, SC (P monofil & film)

FNT INDUSTRIES INC. Menominee, MI (E monofil)

FIBERS & FABRICS OF GEORGIA, INC. (subsidiary of Georgia Synthetics, Inc.)
Elberton, GA (E & P yarn, monofil & film)

FIBERS SOUTH, INC. Trussville, AL (P film & monofil)

FIBRON CORPORATION OF TENNESSEE Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

FILAMENT FIBER TECHNOLOGY INCORPORATED Lakewood, NJ (P yarn)

GENERAL FIBERS & FABRICS, INC. LaGrange, GA (P film)

GEORGIA SYNTHETICS, INC. Elberton, GA (E & P yarn, monofil & film)

GLADDING CORP., CORDAGE DIVISION South Otselic, NY (P monofil)

H & A INDUSTRIES, INC. (formerly The Hooven & Allison Company)
Xenia, OH (P film)

HERCULES INCORPORATED, FIBERS MARKETING DIVISION Oxford, GA *Herculon* (P yarn & staple)

JACKSON ROPE COMPANY, DIVISION OF TUBBS CORDAGE COMPANY
Austin, TX (P monofil & film)

KELLER INDUSTRIES, INC. Swainsboro, GA (P monofil captive)

KIMBERLY-CLARK CORPORATION Corinth, MS, Balfour, NC & Neenah, WI
Accord, Duraguard, Evolution (P spunbonded), *Cyclean* (P spunbonded/meltblown laminate), *Evolution II, Safeguard CPF* (P spunbonded/meltblown & P meltblown)

LAMBETH CORPORATION New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE HOSE COMPANY (a Consolidated Foods Company) Burlington, NC (E monofil captive)

LORETEX, DIVISION OF OIVIND LORENTZEN, INC. Guilderland Center, NY (E film captive)

MIRAFI INC. (subsidiary of Dominion Textiles) Moultrie, GA (P film captive)

NSI, INC. Soperton, GA (P film captive)

THE OSTERNECK COMPANY Lumberton, NC (P film)

PHILLIPS FIBERS CORPORATION (subsidiary of Phillips Petroleum Company)
Rocky Mount, NC & Spartanburg, SC *Marvess* (P yarn, staple & tow)

POLYLOOM CORPORATION OF AMERICA Dayton, TN *Polyloom* (P film)

SARLON INDUSTRIES, INC. Miami, FL (P monofil)

SHUFORD MILLS, INC. Hickory, NC (P film)

SUNSHINE CORDAGE CORPORATION Miami, FL *Cala Line, Oletex, Poncar, Sunshine, Sunylon, Sunypool* (E & P monofil)

SYNTHETIC INDUSTRIES Chickamauga, GA (P film captive)

SYNTHETIC INDUSTRIES (TEXAS), INC. Houston, TX (P film)

TUBBS CORDAGE COMPANY Orange, CA *Loktite* (P monofil & film)
Also see Jackson Rope Company

TWINE PRODUCTS CORPORATION New Orleans, LA (P film)

UNITED STATES ROPE COMPANY Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC. Beverly, NJ (E & P monofil)

WALTRICH PLASTIC CORPORATION Tennent, NJ (P monofil)

U.S.A. *(Continued)*

WAYN-TEX, INC. Waynesboro, VA *Beamette, Waynfil* (E & P yarn & monofil & P film)

WELLINGTON PURITAN MILLS (MONTAIR DIV.) Pilot Mountain, NC *Pur Ty, Welltite* (E & P monofil and film)

WELLINGTON SYNTHETIC FIBRES, INC. Leesville & Summerville, SC (P yarn and monofil)

The following companies are also producing a variety of textile products from olefin: CONWED CORP. *Conwed Plastic Netting* (P embossed film for netting); E. I. DU PONT DE NEMOURS & COMPANY (INC.) (E & P embossed film for netting); HERCULES INCORPORATED, POLYMERS DIVISION *Delnet* (E embossed film for netting); NALLE INC. (P embossed film for netting); RIEGEL PRODUCTS CORPORATION *Polyweb* (P meltblown); and THE 3M COMPANY (P spunbonded)

TEXTILE GLASS FIBER

CERTAINTEED CORPORATION, FIBERGLASS REINFORCEMENTS DIVISION
Wichita Falls, TX *RO99, SatinGlass, Stichmat, Unifilo* (roving, woven roving, mat, chopped strand & combination product)

F.G.I. FIBERS, INC.
Amsterdam, NY (roving & chopped)

LUNDY TECHNICAL CENTER
Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving, strand & mat)

MANVILLE CORPORATION
Denver, CO, Waterville, OH & Etowah, TN *Chop Pak* (chopped strand, mat & sliver)

NICOFIBERS INC.
Shawnee, OH *Conformat, Consurmat, Surmat* (mat)

OWENS-CORNING FIBERGLAS CORPORATION
Huntingdon, PA, Ashton, RI, Aiken & Anderson, SC, Jackson, TN & Amarillo, TX *Activa, Araton, Beta, Bi-Ply, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, spun roving, woven roving, mat, chopped, milled and staple yarn & sliver)

PPG INDUSTRIES, INC., FIBER GLASS DIVISION
Lexington & Shelby, NC *Azdel* (yarn, roving, woven roving, mat, chopped strand & rubber reinforcements)

REICHHOLD CHEMICALS, INC.
GLASS FIBERS DIVISION Irwindale, CA (roving & chopped), Bremen, OH *Modiglass* (mat) & Nashville, TN (roving, woven roving, mat, chopped & milled)

URUGUAY

HILADOS SINTETICOS S.A. (HISISA)
Nylon 66 Estacion Manga, Montevideo *Hisilon* (yarn)

POLIMEROS URUGUAYOS S.A.
Polyester San José, San José (staple)

SINTETICOS SLOWAK S.A.
Nylon 6 Montevideo *Crofil* (yarn & monofil)
Polyester Montevideo *Terpol* (yarn)

URACE S.A. (affiliate of Sudamtex de Uruguay S.A.)
Acetate Colonia (yarn)

OLEFIN FIBER

ARYN S.A. Montevideo (E monofil)

CINCA S.A. Montevideo (E film)

ELABORADORA DE ARPILLERA SINTETICA S.A. (E film)

UDINE S.A. (E monofil)

VENEZUELA

C.A. INVERSIONES ARAGUA
Nylon 6 Maracay *Sudalon* (yarn)

HILADOS FLEXILON
Nylon 6 Caracas (yarn)
Polyester Caracas (yarn)

MANTEX, C.A.
Acetate Valencia (yarn)
Polyester Valencia *Fortrel* (yarn & staple)

SUDAMTEX DE VENEZUELA, C.A.
Polyester Maracay (yarn & staple)

YUGOSLAVIA

HEMTEKS
Polyester Skopje, Macedonia *Maklen* (yarn & staple)

INCEL FABRIKA CELULOZE I VISKOZE
Polyester Banja Luka, Bosna i Hercegovina *Belira* (yarn)
Rayon Banja Luka (staple)

INDUSTRIJA SINTETICKIK VLAKANA (PROGRES)
Nylon 6 Prizren, Kosovo Mitohijan *Supralon* (yarn)
Polyester Istok, Kosovo Mitohijan & Prizren *Prizrenit* (yarn)

KEMICNA TOVARNA MOSTE
Nylon 6 Ljubljana, Slovenia *Yulon* (yarn)

ORGANSKO HEMIJSKA INDUSTRIJA SKOPJE (OHIS)
Acrylic Skopje, Macedonia *Makrolan, Malon* (staple)

TEKSTILNA INDUSTRIYA "ZELE VELJKOVIC"
Nylon 6 Leskovac• (yarn & staple)

VARAZDINSKI TEKSTILNI KOMBINAT (VARTEKS)
Polyester Varazdin (staple)

VISKOZA
Rayon Loznica, Serbia (ind & reg yarn & staple)

OLEFIN FIBER

HEMIJASKA INDUSTRIJA U OSNIVANJU Belgrade (P staple)

TEXTILE GLASS FIBER

GOSTIVAR STAKLARA
Staklara (roving & mat)

WORLD MAN-MADE FIBER PRODUCER AFFILIATIONS & PERCENTAGE OF CAPITAL OWNERSHIP

Licensing and royalty agreements are not taken into account. The ownership of companies other than man-made fiber producers is not listed, e.g., weaving mills, chemical producers, etc.

For each country, the percentage following the first-named producer is the portion owned by the captioned company; the remainder of the entry shows other ownership. For example, Akzo N.V. owns 25% of Cyanenka of Spain, while American Cyanamid owns 40% and La Seda de Barcelona owns 35%. Also note that Akzo owns 57% of La Seda de Barcelona.

AKZO N.V. (NETHERLANDS)

Austria	Enka Austria 93%
Brazil	Companhia Bahiana de Fibras 45%; others 55%
	Polyenka 51%; others 49%
Colombia	Enka de Colombia 48%; others 52%
Ecuador	Enkador 48%; others 52%
Germany	Enka 97%; public 3%
India	Century Enka 39%; others 61%
Ireland	See British Enkalon under United Kingdom below.
Mexico	Fibras Quimicas 40%; Alfa group 60%
Netherlands	Enka 100%
	Silenka 33 1/3%, PPG Industries 33 1/3%, others 33 1/3%
Spain	Cyanenka 25%; American Cyanamid 40%; La Seda 35%
	La Seda 57%; others 43%
U.K.	British Enkalon 84%, public 16%
U.S.A.	American Enka 100%

AMERICAN CYANAMID COMPANY (U.S.A.)

Spain	Cyanenka 40%; Akzo N.V. 25%; La Seda 35%
U.S.A.	Fibers Division 100%

AMOCO CHEMICALS CORPORATION (U.S.A.)

Australia	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
Canada	Amoco Fabrics Co. 100%
Germany, F.R.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%
U.K.	Amoco Fabrics 100%
U.S.A.	Amoco Fabrics Co., Patchogue Plymouth Div. 100%

BASF AMERICA CORPORATION (U.S.A.)

BASF America owns 100% of Badische Corp. (U.S.A.), which in turn owns 100% of Badische Canada Limited.

ASAHI CHEMICAL INDUSTRY CO. LTD. (JAPAN)

India	Baroda Rayon Corp. 1%; local interests 89%; others 10%
Indonesia	P.T. Indonesia Asahi Chemical 69%; others 30%; local interests 1%
Ireland	Asahi Synthetic Fibres (Ireland) 85%, others 15%
Japan	Asahi Chemical 100%
Korea, Rep.	Tong Yang Polyester 50%; Tong Yang Nylon 50%

BAYER A.G. (WEST GERMANY)

Belgium	N.V. Bayer 100%
Germany, F.R.	Bayer A.G. 100%
Iran	Sherkat Sahami Aliaf 50%; Aftab Shargh & others 50%
Peru	Bayer Industrial S.A. 60%

CELANESE CORPORATION (U.S.A.)

Belgium	Celanese S.A. 100%
Brazil	Celanese do Brasil 100% Celanese do Brasil Nordeste 100%
Canada	Celanese Canada Inc. 56% Celanese Canada (Millhaven) Inc. 100%
Mexico	Celanese Mexicana 40%; public 60%
Peru	Rayon y Celanese Peruana 33%
U.S.A.	Celanese Fibers Operations 100%

COURTAULDS, PLC (U.K.)

Canada	Courtaulds (Canada) Inc. 100%
France	Courtaulds S.A. 100%
Ireland	Lirelle (Ireland) Ltd. 100%
Italy	Fin Novaceta S.p.A. 50%; SNIA 50%
Spain	INACSA 12%; public 88%
U.K.	Courtaulds Acetate PLC 100% Courtaulds, PLC 100%
U.S.A.	Courtaulds North America Inc. 100%

E. I. DU PONT DE NEMOURS & COMPANY (U.S.A.)

Argentina	Ducilo 83%; Bunge & Born 17%
Brazil	Du Pont do Brasil 100%
Canada	Du Pont Canada 75%; public 25%
Germany, F.R.	Du Pont de Nemours (Deutschland) 100%
Japan	Toyo Products 50%; Toray Industries 50%
Luxembourg	Du Pont Fibres 100%
Mexico	Nylon de Mexico 40%; Alfa-group 51%; public 9%
Netherlands	Du Pont de Nemours (Nederland) 100%
U.K.	Du Pont (U.K.) 100%
U.S.A.	Textile Fibers Department 100% Polymer Products Department 100%

FIRESTONE TIRE & RUBBER COMPANY (U.S.A.)

Canada	Firestone Textiles Co. 100%
U.S.A.	Firestone Fibers & Textiles 100%

HARBOUR GROUP LTD. (U.S.A.)

U.K.	Synthetic Industries (Ireland) PLC 100%
U.S.A.	Fibron Corp. of Tennessee 100% Synthetic Industries, Inc. 100% Synthetic Industries (Texas), Inc. 100%

HERCULES INCORPORATED (U.S.A.)

Italy	Neofil 50%; Montefibre 50%
U.S.A.	Hercules 100%

HOECHST A.G. (WEST GERMANY)

Austria	Austria Faserwerke: Hoechst Austria 51%; Lenzing 49%
Brazil	Cia. Brasileira de Sintéticos 60%
Germany, F.R.	Hoechst 100% Zehlendorf 91%
South Africa	Hoechst South Africa 100%
U.K.	Hoechst Fibre Industries 100%
U.S.A.	American Hoechst 100%

KURARAY CO., LTD. (JAPAN)

Indonesia	Kuma Fiber 40%; others 60%
Japan	Kuraray 100%
Venezuela	Kuraven 39%; others 61%

IMPERIAL CHEMICAL INDUSTRIES LIMITED (U.K.)

ICI owns 62% of ICI Australia Ltd., which in turn owns Fibremakers Ltd. of Australia.

Australia	Fibremakers Ltd. - 100% ICI Australia
Germany, F.R.	ICI Europa Fibres G.m.b.H. 100%
India	Chemicals & Fibres of India Ltd. 55%
Pakistan	ICI Pakistan Manufacturers 70%
Portugal	Finicisa Fibras 50%; Francisco Fino Ltd. 50%
South Africa	S.A. Nylon Spinners (through AECI Ltd.) 40%
Spain	Nurel S.A. 50%; local interests 50%
U.K.	ICI Fibres 100%

MITSUBISHI RAYON (JAPAN)

Japan	Mitsubishi Acetate 100% Mitsubishi Rayon 100%
Portugal	FISIPE 4%; Mitsubishi Corp. 9%; Quimigal 87%
Taiwan	Tong Hwa 19%; Mitsubishi Corp. 12%; others 69%

MONTEFIBRE S.p.A. (ITALY)

France	Montefibre France 100%
Germany, F.R.	Montefibre 100%
Italy	Montefibre 50%; Snia Fibre 50% Fibra de Tirso 50%; Anicfibre 50% Merak 100% Neofil 50%; Hercules (U.S.A.) 50% Societá Industriale Cremonese 50%
Malta	Montefibre Malta 99.9%
Spain	Montefibre Hispania 70%; others 30%
U.K.	Montefibre U.K. 100%

OWENS-CORNING FIBERGLAS CORPORATION (U.S.A.)

Belgium	Owens-Corning Fiberglas Europe 100%
Brazil	OCFIBRAS 100%
Canada	Fiberglas Canada 49%; Duplate Canada 49%; local interests 2%
France	Owens-Corning Fiberglas Europe 100%
Japan	Asahi Fiber Glass 28%; Asahi Glass Co., Ltd. 72%
Mexico	Vitro Fibras 40%; Vitro Group 60%
Norway	Owens-Corning Fiberglas Europe 100%
Sweden	Scandinavian Glasfiber 40%; Allmanna Svenska Electriska 60%
U.S.A.	Owens-Corning Fiberglas 100%

PPG INDUSTRIES (U.S.A.)

Netherlands	Silenka 33 1/3%; Akzo N.V. 33 1/3%; others 33 1/3%
U.S.A.	Fiber Glass Division 100%

PILKINGTON BROTHERS (U.K.)

Argentina	VASA 99.7%; Glaverbel/Boussois/local interests 0.3%
India	Fibreglass Pilkington 50% plus 1 share; Indian interests 50% less 1 share
South Africa	Fibreglass South Africa 24½%; Owens-Corning Fiberglas (U.S.A.) 24½%; Plate Glass & Shatterprufe Industries Ltd. 51%
U.K.	Fibreglass PLC 100%

RHÔNE-POULENC S.A. (FRANCE)

Argentina	Rhodia Argentina Qúimica e Têxteis 100%
Brazil	Rhodia Indústrias Qúimicas e Têxteis 100% Rhodia Nordeste 99%
France	Rhône Poulenc Textile 99.9%
Germany, F.R.	Deutsche Rhodiaceta 100%
Spain	SAFA 60%
Switzerland	Viscosuisse (through Holva AG) 87%
Thailand	Thai Melon Polyester 40%; others 60%

SAINT-GOBAIN (FRANCE)

France	Saint-Gobain Industries 100%
Germany, F.R.	Gevetex-Textilglas 100%
Italy	Vetrotex Italia 100%
Spain	Fibras Minerales 69%; others 31%
U.S.A.	CertainTeed Corp. 54%; others 46%

SNIA FIBRE (ITALY)

Argentina	SNIAFA (through its Luxembourg subsidiary, Sapina) 23%
Brazil	Fiacão Brasileira de Rayon 96% (through Sapina)
France	Ets. Nysam 100%
Greece	Vomvicryl 15% (through Sapina)
India	Baroda Rayon 9% (through Sapina) South India Viscose 24% (through Sapina)
Ireland	Snia Ireland 80%
Italy	Snia Fibre 100% Novaceta 50%; Courtaulds (U.K.) 50%
Spain	SNIACE 25% (through Sapina)

TEIJIN LTD. (JAPAN)

Indonesia	P.T. Tifico 65.8%; Toyo Menka 16½%; local interests 17.7%
Japan	Teijin 100%
Korea, Rep.	Sunkyung Fibres 11%; local interests 89%
Philippines	Filipinas Synthetic Fiber 34%; others 66%
Taiwan	Hualon Teijin 6%; local interests 94%
Thailand	Teijin Polyester 45%; local interests 55%

TUBBS CORDAGE COMPANY (U.S.A.)

Philippines	Manila Cordage 40%
U.S.A.	Tubbs Cordage 100%

TORAY INDUSTRIES (JAPAN)

Brazil	Polynor is owned 16% by Matoray, which in turn is owned 35% by Toray and 65% by IRF Matarazzo
Indonesia	P.T. Indonesia Toray Synthetics 59%; others 41%
Japan	Toray Industries 100% Toray Monofilament 100% Toyo Products 50%; Du Pont 50%
Korea, Rep.	Cheil Synthetic Textiles 23½%; Mitsui 6%; local interests 70½% Kolon Industries 19.8%; others 80.2%
Malaysia	Penfibre 90%; Textile Alliance 10%
Philippines	Philippine Polyamide 16½%; Itoman 12½%; Toyo Menka 11%; local interests 60%
Taiwan	Shin Kong 6⅔%, Mitsubishi Corp. 4½%; local interests 89⅙%
Thailand	Toray Nylon Thai 30%; Mitsui 19%; local interests 51%

WELLMAN, INC. (U.S.A.)

Ireland	Wellman International Ltd. 60%; British Enkalon 40%
U.S.A.	Man Made Fiber Division 100%

WORLD OLEFIN FIBER PRODUCTION

THOUSAND METRIC TONS

COUNTRY	1976	1977	1978	1979	1980	1981	1982
WEST EUROPE							
BENELUX	34	41	49	56	57	66	73
DENMARK	7	12	14	15	14	14	13
FRANCE	35	26	30	24	27	28	26
GERMANY, FED. REP. OF	46	51	52	57	53	56	54
IRELAND (EIRE)	6	6	5	6	9	9	8
ITALY	55	53	59	61	57	62	59
UNITED KINGDOM	71	79	80	82	80	81	76
SUBTOTAL EEC	**254**	**268**	**289**	**301**	**297**	**316**	**309**
AUSTRIA	15	15	18	19	18	17	18
FINLAND	3	3	3	3	3	3	3
GREECE CYPRUS	6	8	9	10	9	9	9
NORWAY	4	3	3	4	4	4	4
PORTUGAL	22	27	39	38	40	38	38
SPAIN	21	35	36	37	38	38	36
SWEDEN	3	3	3	3	3	3	3
SWITZERLAND	3	3	3	3	3	3	3
TURKEY	5	5	6	5	5	5	5
TOTAL WEST EUROPE	**336**	**370**	**409**	**423**	**420**	**436**	**428**
EAST EUROPE							
CZECHOSLOVAKIA	11	12	11	12	11	11	11
HUNGARY	6	8	10	13	15	16	16
POLAND	11	13	14	13	14	15	12
U.S.S.R.	8	12	12	15	15	15	14
U.S.A.							
YARN+MONOFIL.	134	138	143	151	147	115	134
STAPLE	27	36	43	54	52	64	63
FILM FIBER	100	113	128	139	140	148	131
OTHER AMERICAS							
ARGENTINA	9	10	11	11	10	10	11
BRAZIL	27	33	40	39	40	40	39
CANADA	30	32	31	32	30	30	28
CHILE	0	0	1	1	1	1	1
EL SALVADOR	1	2	2	2	2	2	2
GUATEMALA							
HONDURAS							
MEXICO	7	17	18	20	22	23	23
NICARAGUA	1	1	1	1	1	1	1
PERU	4	5	5	5	5	6	6
URUGUAY	2	2	1	1	1	2	2
JAPAN							
YARN+MONOFIL.	14	15	16	18	16	14	14
STAPLE	28	25	27	29	27	26	28
FILM FIBER	44	45	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	16	17	18	20	20	20	19
KOREA, REP. OF	5	6	7	8	4	3	2
PHILIPPINES	*	1	2	2	2	2	3
SOUTH AFRICA	10	9	3	3	3	3	3
TAIWAN	20	40	44	46	50	53	56
OTHER	0	*	*	*	*	*	*

The olefin data shown comprise (a) the tonnages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional tonnages of olefin fiber not included in the aforementioned data. Note text on page 82.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

NUMBER OF MAN-MADE FIBER PRODUCING PLANTS (EXCEPT OLEFIN) *

COUNTRY & REGION	CELL.		NONCELLULOSIC					TEXTILE GLASS	GRAND TOTAL
	ACETATE[a]	RAYON	ACRYLIC[b]	NYLON[c]	POLYESTER	OTHER[d]	TOTAL		
WEST EUROPE									
AUSTRIA		2			1	1	2		4
BELGIUM LUX.	1	1		3	1		4	2	8
FINLAND		1		1			1	1	3
FRANCE		4	2	6	3	1	12	2	18
GERMANY, F.R. OF	1	3	3	11	11	4	29	3	36
GREECE		1	1	2	2		5		6
IRELAND (EIRE)			1	2	2		5		5
ITALY MALTA	1	3	6	16	10	1	33	2	39
NETHERLANDS		1		2	1	1	4	1	6
NORWAY								1	1
PORTUGAL		2	1	1	1		3	1	6
SPAIN	1	2	2	6	6		14	1	18
SWEDEN		1		1			1	1	3
SWITZERLAND				3	2		5		5
TURKEY		1	2	3	8		13	1	15
UNITED KINGDOM	3	2	3	6	6	4	19	3	27
TOTAL W. EUROPE	**7**	**24**	**21**	**63**	**54**	**12**	**150**	**19**	**200**
EAST EUROPE									
BULGARIA		1	1	1	1		3		4
CZECHOSLOVAKIA		5		3	2		5	2	12
GERMAN DEM. REP.		8	2	3	2	1	8	1	17
HUNGARY		1	1	1			2		3
POLAND		5	1	1	2	2	6	2	13
ROMANIA		2	1	1	2		4		6
YUGOSLAVIA		2	1	2	5		8	1	11
E. EUROPE ABOVE		**24**	**7**	**12**	**14**	**3**	**36**	**6**	**66**
AMERICAS									
ARGENTINA	1	1	1	6	4	1	12	1	15
BRAZIL	1	4	2	18	11	1	32	1	38
CANADA	1	1		3	2	1	6	1	9
CHILE		2		2	3		5		7
COLOMBIA	1			3	4		7		8
COSTA RICA					1		1		1
CUBA		1							1
ECUADOR					5		5		5
GUATEMALA				1			1		1
MEXICO	1	2	3	9	9	2	23	1	27
PERU	1		1	3	4		8		9
U.S.A.	5	4	6	29	32	8	75	18	102
URUGUAY	1			2	2		4		5
VENEZUELA	1			2	3		5		6
TOTAL AMERICAS	**13**	**15**	**13**	**78**	**80**	**13**	**184**	**22**	**234**
AFRICA, ASIA & OCEANIA									
AUSTRALIA				3	2	1	6	1	7
BANGLADESH		2		1			1		3
EGYPT		2		1	2		3		5
INDIA	1	12	2	8	11		21	2	36
INDONESIA		3		3	7		10		13
IRAN			1	1	1		3		3
IRAQ		1							1
ISRAEL			1	1			2		2
JAPAN	2	15	7	12	22	19	60	15	92
KENYA				1	2		3		3
KOREA, REP. OF	1	1	2	6	11	1	20		22
MALAYSIA					1		1		1
NIGERIA					1		1		1
PAKISTAN	1			3	5		8		9
PHILIPPINES				2	2		4		4
SOUTH AFRICA				1	5		6		6
TAIWAN		2	3	14	17		34		36
THAILAND		1		3	4		7		8
TOTAL A., A. & O.	**5**	**39**	**16**	**60**	**93**	**21**	**190**	**18**	**252**
WORLD TOTAL *	**25**	**102**	**57**	**213**	**241**	**49**	**560**	**65**	**752**

* Data for People's Republic of China, North Korea & U.S.S.R. are not included here.

a. Acetate includes triacetate.

b. Acrylic includes modacrylic.

c. Nylon includes aramid.

d. All Other includes 1 azlon, 2 biconstituent, 4 fluorocarbon, 1 polycarbonate, 1 polychlal, 1 polyesteramide, 1 polyvinylfluoride, 1 promix, 8 saran, 18 spandex or elastomer, 4 vinal and 7 vinyon plants, for a total of 49 plants producing these other fibers.

FILAMENT YARN DOMESTIC SHIPMENTS[a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
		(A) ACETATE (N) NYLON+ARAMID (P) POLYESTER (O) OLEFIN											
HOSIERY[b]	N	106.3	106.3	107.0	92.3	22.4	22.2	23.9	23.8	25.4			
OTHER CIRCULAR KNIT[c]	N	58.9	56.6	48.2	25.7	8.4	5.4	7.0	4.9	5.3			
	P	615.4	495.7	345.6	228.4	59.4	57.6	55.4	56.0	77.2			
	A	4.5	3.2	3.6	1.6	0.4	0.7	0.2	0.3	0.7			
FLAT KNIT	A	146.9	144.9	98.7	71.7	20.2	20.5	16.9	14.1	18.0			
	N	202.6	176.3	163.2	130.8	32.8	32.6	31.0	34.4	39.0			
	P	89.0	83.8	98.4	87.0	21.1	21.8	23.5	20.6	22.4			
CARPET FACE *	N	732.5	714.5	633.6	559.5	123.6	141.4	154.3	140.2	143.9			
	O	85.3	89.5	89.5	90.0	23.4	22.1	23.0	21.5	29.8			
CARPET BACKING[d]	O	220.7	197.8	195.3	184.7	45.7	45.6	49.1	44.3	46.1			
OTHER BROAD WOVEN[e]	A	129.2	110.5	110.7	88.8	22.3	23.3	20.9	22.3	24.2			
	N	102.7	94.3	89.2	82.2	21.5	20.8	18.9	21.0	21.3			
	P	387.2	405.5	440.2	367.0	78.4	88.5	98.7	101.4	104.3			
	O	171.4	186.3	200.7	172.5	42.8	44.6	43.1	42.0	48.9			
NARROW WOVEN[f]	A	5.9	8.7	8.6	2.9	0.9	0.7	1.0	0.3	0.9			
	N	37.2	31.4	34.0	30.2	8.2	7.8	6.6	7.6	7.0			
	P	30.5	28.1	28.1	28.1	5.4	8.3	7.0	7.4	7.7			
	O	11.8	12.3	12.6	12.1	2.8	3.0	3.2	3.1	3.7			
TIRES, INCL. CHAFER	N	285.3	209.2	204.7	147.9	39.1	39.8	28.3	40.7	29.2			
	P	227.4	161.0	174.8	168.9	43.7	44.1	39.9	41.2	42.9			
OTHER RUBBER INDUSTRY[g]	N	28.7	22.3	25.7	17.3	6.4	5.2	2.7	3.0	4.1			
	P	35.8	30.2	35.1	26.7	8.4	7.7	5.5	5.1	6.4			
ROPE, CORDAGE & FISHLINE	N	38.2	33.0	30.6	29.1	7.1	6.7	7.3	8.0	7.5			
	P	13.6	13.1	15.8	14.4	2.9	3.6	3.3	4.6	2.4			
	O	95.3	84.4	92.1	84.8	23.2	20.6	19.6	21.4	23.3			
ALL OTHER[h]	A	1.9	1.9	4.7	4.0	1.1	1.9	0.5	0.5	0.3			
	N	38.9	95.0	68.1	50.6	12.1	14.6	12.7	11.2	12.3			
	P	126.2	146.0	292.0	214.3	77.9	60.9	33.7	41.8	43.0			
	O	39.7	41.4	38.1	32.9	8.9	9.1	6.5	8.4	8.8			
TOTAL DOMESTIC ABOVE	A	288.4	269.2	226.3	169.0	44.9	47.1	39.5	37.5	44.1			
	N	1631.3	1538.9	1404.3	1165.6	281.6	296.5	292.7	294.8	295.0			
	P	1525.1	1363.4	1430.0	1134.8	297.2	292.5	267.0	278.1	306.3			
	O	624.2	611.7	628.3	577.0	146.8	145.0	144.5	140.7	160.6			
TOTAL DOMESTIC ABOVE		**4069.0**	**3783.2**	**3688.9**	**3046.4**	**770.5**	**781.1**	**743.7**	**751.1**	**806.0**			
ALSO DIVIDED AS													
APPAREL		1604.5	1530.4	1530.0	1128.2	303.9	285.6	268.6	270.1	305.4			
HOME FURNISHINGS		1274.6	1212.7	1129.4	1016.6	237.7	257.4	269.5	252.0	272.0			
INDUSTRIAL		1189.9	1040.1	1029.5	901.6	228.9	238.1	205.6	229.0	228.6			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
ACETATE		*	0	0	0	0	0	0	0	0			
NYLON		166.8	167.4	159.6	122.3	30.9	29.7	31.6	30.1	30.9			
POLYESTER		1015.3	942.0	991.3	737.9	198.1	189.1	172.7	178.0	201.0			
OLEFIN		46.5	40.9	33.5	26.8	7.6	7.9	5.5	5.8	6.9			

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small poundages of polyester are included in All Other.

c. Small poundages of olefin are included in All Other.

d. Small poundages of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc. The olefin poundages include other home furnishings applications only, i.e., industrial applications are in All Other.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Small poundages of olefin are included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin poundages include sliver knit backing. Also includes indirect exports starting 1st Quarter 1980.

i. These poundages are included in the Total Domestic area above.

STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

(R) RAYON (N) NYLON+ARAMID (A) ACRYLIC+MODACRYLIC (P) POLYESTER (O) OLEFIN

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1982				1983			
		1979	1980	1981	1982	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	238.8	275.7	255.6	230.5	54.7	62.6	56.3	56.9	58.1			
	NPR	21.3	11.5	8.9	8.7	2.0	2.2	2.2	2.3	2.9			
PILE FABRICS[b]	A	65.1	60.4	44.7	36.4	10.3	11.6	8.5	6.0	9.0			
	P	17.8	18.3	14.9	15.6	3.9	3.8	4.0	3.9	4.8			
OTHER CIRCULAR+FLAT KNIT[c]	R	11.7	9.8	10.9	7.4	2.0	1.8	1.8	1.8	1.0			
	A	98.8	125.0	91.6	112.6	24.4	33.0	28.8	26.4	31.5			
	P	278.1	296.3	300.7	288.8	70.9	72.2	71.8	73.9	91.5			
BLANKETS[b]	A	45.5	42.2	28.1	23.7	4.7	5.5	7.1	6.4	7.7			
	P	13.2	17.3	14.8	12.0	2.1	3.0	3.3	3.6	3.8			
OTHER BROAD WOVEN	R	233.2	201.6	224.7	145.5	38.2	34.4	35.1	37.8	40.8			
	N	59.2	53.0	52.4	56.4	11.6	14.9	14.3	15.6	15.4			
	A	42.1	42.3	33.0	25.7	5.7	7.9	5.5	6.6	7.7			
	P	1171.0	1194.6	1107.0	889.0	232.2	222.3	209.6	224.9	237.0			
	O	17.0	17.3	17.1	16.1	3.7	6.0	2.5	3.9	4.9			
CARPET FACE YARNS	R	+	+	0.3	0.3	+	0.2	0.1	+	+			
	N	828.0	631.5	617.4	594.4	125.1	150.1	165.5	153.7	175.3			
	A	48.1	Included in All Other										
	P	192.4	119.9	124.0	114.7	24.6	32.0	27.6	30.5	34.7			
	O	64.7	61.6	67.5	76.8	17.0	21.5	19.6	18.7	21.7			
FIBERFILL[d]	P	239.6	205.1	226.7	228.4	49.0	53.4	60.8	65.2	60.8			
FLOCK	NP	10.7	10.8	13.0	10.2	2.1	2.8	2.6	2.7	2.3			
	R	5.1	5.1	5.6	3.1	0.7	0.9	0.8	0.7	0.9			
NONWOVENS[e,f]	R	160.3	147.3	124.6	110.9	32.0	25.3	27.0	26.6	30.5			
	N	3.8	3.2	3.5	3.8	1.1	0.8	1.1	0.8	1.1			
	P	153.6	166.6	149.3	155.2	35.0	38.8	42.8	38.6	38.8			
	VINYON+O	36.7	34.6	42.7	39.0	7.4	10.2	12.5	8.9	10.2			
ALL OTHER	R	30.9	26.2	29.1	24.6	4.5	6.8	6.7	6.6	6.3			
	N	10.8	12.2	10.3	7.7	1.8	2.1	2.1	1.7	1.2			
	A	8.2	39.7	41.1	29.0	8.3	7.3	7.4	6.0	6.1			
	P	49.3	42.6	60.6	57.8	18.0	18.1	7.6	14.1	14.6			
	VINYON+O	0.9	1.5	4.7	7.0	1.2	2.2	1.8	1.8	2.9			
TOTAL DOMESTIC ABOVE	R	442.4	390.7	396.9	293.7	77.6	69.8	72.1	74.2	80.1			
	N	913.2	711.2	696.4	673.3	141.9	170.8	185.8	174.8	196.0			
	A	546.6	585.3	494.1	457.9	108.1	127.9	113.6	108.3	120.1			
	P	2134.4	2071.0	2005.4	1767.5	437.3	445.3	428.9	456.0	487.6			
	VINYON+O	119.3	115.0	132.0	138.9	29.3	39.9	36.4	33.3	39.7			
TOTAL DOMESTIC ABOVE		**4155.9**	**3873.2**	**3724.8**	**3331.3**	**794.2**	**853.7**	**836.8**	**846.6**	**923.5**			
ALSO DIVIDED AS													
APPAREL		1548.6	1632.9	1487.5	1328.8	328.5	344.0	323.4	332.9	360.8			
HOME FURNISHINGS		1759.1	1478.0	1442.9	1262.2	287.0	322.9	328.0	324.3	363.9			
INDUSTRIAL		848.2	762.3	794.4	740.3	178.7	186.8	185.4	189.4	198.8			

a. Olefin poundages are included in All Other.

b. Rayon and nylon poundages are included in All Other.

c. Nylon poundages are included in All Other.

d. Rayon and acrylic poundages are included in All Other.

e. Wet & dry laid and needled batts only.

f. Acrylic poundages are included in All Other.

ANNOUNCEMENT

The 1982 Textile Fiber End Use Survey will appear in the September issue of the ***Textile Organon***. Previously, the end use survey appeared in the November issue of the ***Organon*** each year.

As a service to our readers, the earlier publication of this survey will permit the more timely use of these crucial data.

The U.S. listing of man-made fiber producers, normally found in September, will now appear in November.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983						4 MONTHS	
ITEM & COUNTRY	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUNE**	**1983**	**1982**
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	0	30	30	30			90	55
CANADA	208	341	88	121			758	15
MEXICO	73	52	16	92			233	463
AUSTRIA	41	289	219	138			687	471
GERMANY, FED. REP. OF	93	103	134	79			409	1245
NETHERLANDS	11	71	43	0			125	239
JAPAN	18	6	60	3			87	99
ALL OTHER COUNTRIES[a]	40	58	3	35			136	380
TOTAL CELL. YARN	**484**	**950**	**593**	**498**			**2525**	**2967**
CELLULOSIC STAPLE+TOW								
CANADA	442	346	225	425			1438	642
AUSTRIA	0	158	95	0			253	1487
FRANCE	0	0	56	0			56	55
SWEDEN	0	187	213	307			707	1524
UNITED KINGDOM	2	0	64	38			104	296
JAPAN	134	174	151	178			637	425
ALL OTHER COUNTRIES[b]	5	23	0	2			30	407
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**			**3225**	**4836**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	752	426	734	662			2574	996
MEXICO	17	289	421	257			984	4
FRANCE	157	210	165	120			652	427
GERMANY, FED. REP. OF	636	574	397	562			2169	1610
ITALY	88	11	37	106			242	202
NETHERLANDS	1	34	11	81			127	18
SPAIN	153	92	31	127			403	0
SWITZERLAND	47	122	74	96			339	12
UNITED KINGDOM	36	444	173	351			1004	196
ISRAEL	64	298	74	117			553	1
JAPAN	810	902	590	888			3190	2027
REP. OF KOREA	6	7	3	84			100	7
TAIWAN	13	49	25	1			88	0
ALL OTHER COUNTRIES[c]	68	10	13	33			124	183
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**			**12549**	**5683**
NONCELLULOSIC STAPLE+TOW								
CANADA	278	400	491	274			1443	1832
MEXICO	1197	475	437	294			2403	340
BELGIUM	6	72	2	34			114	73
FRANCE	1250	340	687	779			3056	1165
GERMANY, FED. REP. OF	936	1250	1941	1712			5839	3182
ITALY	421	1918	608	2105			5052	349
NETHERLANDS	0	38	49	93			180	331
SWITZERLAND	0	0	0	55			55	20
UNITED KINGDOM	233	736	816	1392			3177	942
AUSTRALIA	0	91	0	0			91	0
ISRAEL	0	55	57	0			112	1
JAPAN	933	513	1174	1083			3703	1960
REP. OF KOREA	0	40	0	40			80	0
TAIWAN	381	449	524	346			1700	1829
ALL OTHER COUNTRIES[d]	0	0	7	140			147	577
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**			**27152**	**12601**

Other countries supplying 1983 poundages are:

[a] People's Republic of China 9, France 26, Italy 3, Rep. of Korea 40, Taiwan 1, United Kingdom 35 and Yugoslavia 22.

[b] Australia 1, German Dem. Rep. 1, Mexico 1 and Taiwan 27.

[c] Australia 10, Austria 16, Belgium 7, Costa Rica 15, Iceland 16, Ireland 35, Portugal 7 and Sweden 18.

[d] Austria 1, Costa Rica 49, Denmark 38, Finland 1, Ireland 39, Portugal 11 and South Africa 8.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1983						4 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1983	1982
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	129	72	5	0			206	68
OTHER	310.0130 & .0230[a]	355	866	585	464			2270	2897
MONOFILAMENTS	309.0310 & .0610	0	0	0	+			+	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12	3	34			49	0
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**			**2525**	**2967**
STAPLE	309.4320 & .4325	553	818	740	882			2993	4395
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68			232	441
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**			**3225**	**4836**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0			82	64
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	284	338	271	266			1159	932
POLYESTER	310.0110 & .0210	79	40	1	20			140	284
OTHER	310.0114 & .0214	853	364	674	602			2493	488
OTHER - NYLON	310.0149 & .0249	305	1337	744	1016			3402	699
POLYESTER	310.0150 & .0250	962	998	637	1023			3620	2051
OTHER	310.0170 & .0270[b]	158	268	244	342			1012	547
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168			575	581
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15	33	48			148	101
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**			**12549**	**5683**
STAPLE - NYLON	309.4338	1176	2537	1854	3072			8639	1317
POLYESTER	309.4342	1522	361	934	689			3506	2514
ACRYLIC	309.4345	643	784	879	1040			3346	2569
OLEFIN	309.4346	106	3	203	133			445	65
OTHER	309.4355	796	660	929	978			3363	2425
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	1052	1072	1502	1608			5234	1906
POLYESTER	309.3040 & .3140	+	5	6	175			186	18
ACRYLIC	309.3050 & .3150	324	881	416	570			2191	1472
OTHER	309.3065 & .3165	16	74	70	82			242	321
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**			**27152**	**12601**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092	1917			6550	7682
POLYESTER	309.6630	572	1339	909	809			3629	4361
ACRYLIC	309.6645	45	130	0	54			229	252
OTHER	309.6660	266	129	118	443			956	1165
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26			26	20
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408			1249	102
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**			**12639**	**13582**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**			**58172**	**39733**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0	0	0			0	+
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416			2235	1116
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0	3	0			44	73
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98			1070	285
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84	29			211	66
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337			8824	5981
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329			1222	713
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218			973	783
SLIVER, TOPS & ROVING	309.9000	352	326	667	424			1769	1059
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347			7104	4576
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**			**81624**	**54385**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983						YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	1983	1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**		**89.7**	**89.6**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6		121.5	144.4
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0		13.3	12.2
CARPET	45.4	48.4	56.3	60.2	66.0		276.3	226.9
TEXTILE	27.8	30.4	34.3	33.3	33.9		159.7	139.4
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1		125.5	124.0
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6		10.3	9.4
TEXTILE	73.9	82.8	90.6	93.1	92.5		432.9	419.2
OLEFIN[h]	51.2	55.0	58.3	48.4	55.8		268.7	249.7
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**290.9**	**306.5**		**1408.2**	**1325.2**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**		**146.1**	**147.7**
NYLON[e]	64.8	63.5	71.0	76.6	82.8		358.7	262.9
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0		278.9	264.7
POLYESTER	154.2	172.1	191.4	181.2	189.3		888.2	842.0
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7		71.3	55.6
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**		**1597.1**	**1425.2**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**		**11.8**	**11.9**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4		23.4	31.7
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1		5.1	4.6
CARPET	54.2	53.6	51.3	50.1	48.2		48.2	49.5
TEXTILE	40.5	39.2	38.8	37.8	35.3		35.3	45.9
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3		25.3	27.1
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4		2.4	3.6
TEXTILE	66.8	69.2	64.8	64.4	68.5		68.5	87.1
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3		53.3	63.3
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.6**	**262.6**	**261.5**		**261.5**	**312.8**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**		**34.3**	**36.2**
NYLON[e]	52.0	54.9	57.0	54.1	53.3		53.3	48.9
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5		59.5	63.7
POLYESTER	178.4	174.2	162.1	161.1	154.1		154.1	185.8
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3		15.3	24.7
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**		**282.2**	**323.1**
WOOL & COTTON CONSUMPTION								
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5			47.4	46.9
CARPET CLASS WOOL	0.9	0.6	1.1	0.6			3.2	3.4
TOTAL RAW WOOL	11.7	12.1	14.7	12.1			50.6	50.3
RAW COTTON	213.2	228.1	255.6	227.0	243.7		1167.6	1069.0

a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

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MONTHLY REVIEW

Highlights

June Shipments of Olefin Yarn+Monofilaments Topped 62 Million Pounds . . . see page 128.

1982 World Production of Man-Made Fiber Totaled 28,855 Million Pounds . . . see page 115.

World Production of Cotton Totaled 32,357 Million Pounds in 1982 . . . see page 115.

World Man-Made Fiber Survey in Millions of Pounds . . . begins page 115.

A record was set in June as more pounds of olefin yarn+monofilaments were shipped than in any other month in history.

Nylon yarn shipments to the carpet trades rose for the fifth consecutive month, though shipments of both nylon industrial and nylon textile yarn+monofilaments fell in June.

Shipments of polyester yarn+monofilaments fell in June, but shipments of polyester industrial yarn+monofilaments rose for the third straight month.

Acrylic+modacrylic staple+tow shipments fell in June, but shipments of polyester staple+tow rose for the second straight month and shipments of nylon staple+tow rose for the fourth consecutive month.

ITEM	1983 JUNE	1983 MAY	%[a]	1982 JUNE	%[b]	YEAR TO DATE 1983	YEAR TO DATE 1982	%[c]
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**21.3**	**19.7**	*+8.1*	**17.4**	*+22.4*	**111.0**	**107.0**	*+3.7*
NYLON[d] · INDUSTRIAL	24.6	25.6	*-3.9*	28.3	*-13.1*	146.1	172.7	*-15.4*
· LOW DENIER INDUSTRIAL	3.0	3.0		2.7	*+11.1*	16.3	14.9	*+9.4*
· CARPET	76.6	66.0	*+16.1*	48.3	*+58.6*	352.9	275.2	*+28.2*
· TEXTILE	32.3	33.9	*-4.7*	26.5	*+21.9*	192.0	165.9	*+15.7*
POLYESTER · INDUSTRIAL	29.0	27.1	*+7.0*	[illegible]	*+5.8*	154.5	151.4	*+2.0*
· LOW DENIER INDUSTRIAL	2.4	2.6	*-7.7*	[illegible]	*+14.3*	12.7	11.5	*+10.4*
· TEXTILE	85.9	92.5	*-7.1*	78.3	*+9.7*	518.8	497.5	*+4.3*
OLEFIN	62.6	61.9	*+1.1*	50.1	*+24.9*	347.4	299.8	*+15.9*
TOTAL NONCELLULOSIC ABOVE	**316.4**	**312.6**	*+1.2*	**263.7**	*+20.0*	**1740.7**	**1588.9**	*+9.5*
STAPLE+TOW+FIBERFILL								
RAYON	**35.6**	**29.5**	*+20.7*	**29.9**	*+19.1*	**181.7**	**177.6**	*+2.3*
NYLON[d]	87.8	82.8	*+6.0*	58.1	*+51.1*	446.5	321.0	*+39.1*
ACRYLIC+MODACRYLIC	56.5	58.0	*-2.6*	59.2	*-4.6*	335.4	323.9	*+3.5*
POLYESTER	192.3	189.3	*+1.6*	155.3	*+23.8*	1080.5	997.3	*+8.3*
OLEFIN+VINYON	15.1	15.7	*-3.8*	14.8	*+2.0*	86.4	70.4	*+22.7*
TOTAL NONCELLULOSIC ABOVE	**351.7**	**345.8**	*+1.7*	**287.4**	*+22.4*	**1948.8**	**1712.6**	*+13.8*

-- means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. 1983 Data for Nylon exclude Aramid, but Aramid is included in 1982.

Also see footnotes on page 128 of this issue.

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Textile Organon

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*See page 124.

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MAN-MADE FIBER PRODUCERS ASSOCIATION (MMFPA) PRESIDENT CHARLIE JONES TO RETIRE: CARLISLE NAMED SUCCESSOR

Charlie W. Jones, President of Man-Made Fiber Producers Association since 1970, plans to retire at the end of the year, it was announced this week by Gerald P. Elden, Chairman of the MMFPA Board, during its quarterly Board meeting in Washington, D.C. Charles R. Carlisle was named Executive Vice President, effective August 1, and will take over duties as MMFPA President on January 1, 1984.

In making the announcement, Elden pointed out that Mr. Jones had served, at the request of the Board, two and one-half years beyond normal retirement, and under his leadership substantially expanded and guided the Association's programs in legislative, technical, public relations and educational areas.

Prior to accepting the MMFPA position, Mr. Carlisle was a Vice President of St. Joe Minerals Corporation for eight years and served in both the New York headquarters and the Washington office. He was heavily involved in international trade and governmental affairs.

From 1971 to 1974, he was Chairman of Lead-Zinc Producers Committee and also has been a deputy director of the Commodities Division, U.N. Conference on Trade and Development in Geneva. In addition, his experience includes fourteen years as a Foreign Service Officer with the U.S. Department of State.

Prior to becoming President of MMFPA in 1970, Mr. Jones held key executive positions with Signal Companies, American Carpet Institute and National Cotton Council. He also served as Administrative Assistant and Legislative Assistant to Senator John C. Stennis (D-MS) from 1954-1960.

Chairman Elden also announced that the Board had elected Larry K. Martin as Vice President of the Association, effective immediately. Martin has served as Executive Assistant to the President, Secretary and Treasurer of the Association since 1972. He formerly served as Administrative Assistant to Senator J. Caleb Boggs (R-DE).

World Man-Made Fiber Survey (Million Pounds)

Featured on pages 115-123 is our annual survey of the world man-made fiber industry in *millions of pounds*. The included tables state the world data as converted from thousand metric tons as found in the tables of the June ***Organon***, pages 81, 83-89 & 107.

The 1982 noncellulosic fiber production and planned producing capacity survey in millions of pounds begins on page 116 and the cellulosic fiber production and planned producing capacity survey in millions of pounds begins on page 119.

Olefin, textile glass, and acetate staple and tow production and planned producing capacity in millions of pounds are found on page 122.

Earlier years' world data for most of the tables contained in this issue will also be found in the January 1962 ***Textile Organon*** Base Book and in the June 1966 and 1970 and July 1979-1982 issues of the ***Organon***.

The 1982 import-export data used to tabulate net available supply by country are not complete at this time. When these data are obtained, the 1982 net available supply tables (in millions of pounds and thousands of metric tons) will be published in the ***Organon***.

In addition, the 1982 polyester and nylon textile, carpet & industrial yarn production breakdown for Western Europe is not available. These data will also be published in a later issue of the ***Organon***.

WORLD PRODUCTION OF CERTAIN TEXTILE FIBERS

MILLION POUNDS & *Percent*

TYPE OF FIBER	1976	1977	1978	1979	1980	1981	1982
CELLULOSIC FIBERS (from page 120)							
YARN+MONOFILAMENTS	2,619	2,584	2,572	2,594	2,560	2,434	2,276
STAPLE+TOW	4,457	4,649	4,742	4,839	4,588	4,630	4,221
TOTAL CELLULOSIC	**7,076**	**7,233**	**7,314**	**7,433**	**7,148**	**7,064**	**6,497**
NONCELLULOSIC FIBERS except Olefin (from page 118)							
YARN+MONOFILAMENTS	9,101	9,508	10,148	10,779	10,432	10,608	9,920
STAPLE+TOW	9,862	10,663	11,973	12,595	12,662	13,268	12,438
TOTAL NONCELL. ABOVE	**18,963**	**20,171**	**22,121**	**23,372**	**23,094**	**23,876**	**22,358**
TOTAL MAN-MADE ABOVE	**26,039**	**27,404**	**29,435**	**30,805**	**30,242**	**30,940**	**28,855**
% of World Total	*46*	*45*	*48*	*47*	*46*	*45*	*44*
NATURAL FIBERS							
RAW COTTON	27,513	30,690	28,600	31,460	31,451	33,999	32,357
RAW WOOL	3,278	3,280	3,369	3,468	3,485	3,547	3,563
RAW SILK	106	108	112	121	123	126	121
TOTAL NATURAL ABOVE	**30,897**	**34,078**	**32,081**	**35,049**	**35,059**	**37,672**	**36,041**
% of World Total	*54*	*55*	*52*	*53*	*54*	*55*	*56*
WORLD TOTAL ABOVE	**56,936**	**61,482**	**61,516**	**65,854**	**65,301**	**68,612**	**64,896**
World Total %	*100*	*100*	*100*	*100*	*100*	*100*	*100*

The silk and man-made fiber data are on a calendar-year basis, while the figures for cotton and wool are on a seasonal basis.

MAN-MADE FIBERS: Data are from pages 119 and 123, as noted. Textile glass fiber and olefin production on page 122 are not included.

COTTON: International Cotton Advisory Committee. Also see December 1982 ***Organon***.

WOOL: Commonwealth Secretariat & The Wool Bureau, Inc. The data are on a scoured basis. Also see the December 1982 ***Organon*** issue.

SILK: International Silk Association; Food and Agriculture Organization of the United Nations.

WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN)

MILLION POUNDS

	WEST EUROPE																
	AUSTRIA	BENELUX[a]			IRELAND (EIRE)			FINLAND	FRANCE			FED. REP. OF GERMANY			GREECE		
YEAR	**S**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	60.4	186.3	136.2	322.5	13.9	19.8	33.7	1.8	231.7	316.8	548.5	813.5	860.7	1674.2	18.3	11.0	29.3
1977	57.1	187.6	119.5	307.1	5.3	27.6	32.9	0.9	221.1	316.6	537.7	716.5	805.1	1521.6	17.0	16.5	33.5
1978	67.0	208.8	105.8	314.6	18.3	57.3	75.6	1.1	202.2	341.1	543.3	718.7	889.3	1608.0	18.7	17.4	36.1
1979	64.6	209.9	89.1	299.0	23.8	70.5	94.3	0.9	173.5	320.3	493.8	745.2	929.2	1674.4	20.3	20.9	41.2
1980	56.0	158.5	71.4	229.9	22.0	69.9	91.9	0.9	144.0	279.3	423.3	700.4	887.1	1587.5	19.8	22.0	41.8
1981	41.2	177.2	55.8	233.0	33.1	69.0	102.1	1.1	146.4	297.2	443.6	707.0	951.3	1658.3	19.8	19.6	39.4
1982	35.7	134.5	42.3	176.8	27.1	61.7	88.8	1.1	142.9	276.2	419.1	698.9	771.6	1470.5	18.7	20.5	39.2
PRODUCING CAPACITY																	
1983	*46.3*	*178.8*	*68.3*	*247.1*	*50.7*	*98.1*	*148.8*	*1.3*	*219.4*	*348.3*	*567.7*	*839.1*	*1038.4*	*1877.5*	*39.0*	*26.5*	*65.5*
1984	*46.3*	*185.4*	*72.7*	*258.1*	*50.7*	*98.1*	*148.8*	*1.3*	*219.4*	*348.3*	*567.7*	*839.1*	*1050.1*	*1889.2*	*39.0*	*26.5*	*65.5*

	WEST EUROPE *(Continued)*															
	ITALY/MALTA			PORTUGAL			SPAIN			SWEDEN	SWITZERLAND			TURKEY		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	288.1	542.1	830.2	3.7	22.3	26.0	119.3	208.1	327.4	2.2	108.9	60.2	169.1	40.8	97.4	138.2
1977	261.0	466.7	727.7	3.3	36.6	39.9	121.5	230.6	352.1	0.2	108.0	63.3	171.3	33.1	144.4	177.5
1978	259.9	521.4	781.3	3.5	57.5	61.0	134.0	284.6	418.6	0.2	109.8	73.6	183.4	48.7	133.6	182.3
1979	279.1	515.0	794.1	3.7	64.4	68.1	158.1	311.7	469.8	0.2	108.2	66.1	174.3	66.1	169.8	235.9
1980	275.3	506.8	782.1	3.1	70.8	73.9	143.1	301.4	444.5	0.2	133.8	52.2	186.0	61.7	154.3	216.0
1981	328.5	631.2	959.7	2.4	75.0	77.4	159.4	372.4	531.8	0	125.9	61.5	187.4	71.4	168.4	239.8
1982	327.8	617.3	945.1	2.0	88.2	90.2	162.3	347.7	510.0	0	117.7	59.5	177.2	99.4	198.8	298.2
PRODUCING CAPACITY																
1983	*432.5*	*981.0*	*1413.5*	*7.7*	*90.4*	*98.1*	*236.8*	*475.5*	*712.3*	*0*	*162.0*	*68.3*	*230.3*	*141.1*	*246.9*	*388.0*
1984	*432.5*	*948.0*	*1380.5*	*7.7*	*90.4*	*98.1*	*236.8*	*474.0*	*710.8*	*0*	*162.0*	*68.3*	*230.3*	*173.3*	*374.8*	*548.1*

	W. EUROPE *(Cont.)*			EAST EUROPE											
	UNITED KINGDOM			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUNGARY		
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	441.1	472.0	913.1	28.7	63.7	92.4	108.0	43.2	151.2	112.4	146.8	259.2	7.1	17.6	24.7
1977	389.6	401.5	791.1	27.6	69.4	97.0	101.4	50.7	152.1	116.8	156.5	273.3	7.1	28.9	36.0
1978	398.8	497.1	895.9	28.7	72.8	101.5	108.0	55.1	163.1	117.9	163.1	281.0	7.3	34.0	41.3
1979	377.9	462.3	840.2	28.7	77.2	105.9	110.2	48.5	158.7	120.4	171.7	292.1	7.1	32.6	39.7
1980	277.6	356.5	634.1	38.1	81.6	119.7	119.0	49.4	168.4	125.7	180.8	306.5	12.8	32.4	45.2
1981	222.4	327.2	549.6	38.6	86.0	124.6	115.7	81.6	197.3	123.5	172.0	295.5	15.4	31.5	46.9
1982	146.6	303.8	450.4	38.6	77.2	115.8	143.3	81.6	224.9	119.1	174.2	293.3	16.8	27.3	44.1
PRODUCING CAPACITY															
1983	*211.6*	*529.1*	*740.7*	*46.3*	*99.2*	*145.5*	*156.5*	*116.8*	*273.3*	*158.7*	*209.4*	*368.1*	*19.8*	*39.7*	*59.5*
1984	*229.3*	*529.1*	*758.4*	*43.0*	*136.7*	*179.7*	*156.5*	*116.8*	*273.3*	*165.4*	*209.4*	*374.8*	*19.8*	*94.8*	*114.6*

	EAST EUROPE *(Continued)*												TOTAL EUROPE		
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA					
YEAR	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**	**Y**	**S**	**TOT**
1976	153.7	151.0	304.7	61.7	189.6	251.3	573.2	308.6	881.8	20.5	34.2	54.7	**3334.9**	**3761.7**	**7096.6**
1977	179.0	144.4	323.4	63.9	209.4	273.3	584.2	421.1	1005.3	16.1	44.8	60.9	**3161.2**	**3810.7**	**6971.9**
1978	187.8	147.5	335.3	66.1	220.5	286.6	606.3	440.9	1047.2	37.5	61.7	99.2	**3282.3**	**4241.3**	**7523.6**
1979	192.7	145.3	338.0	77.2	231.5	308.7	601.9	447.5	1049.4	46.3	77.2	123.5	**3351.4**	**4315.4**	**7666.8**
1980	208.3	151.0	359.3	72.7	227.1	299.8	703.3	509.3	1212.6	50.7	88.2	138.9	**3271.0**	**4147.5**	**7418.5**
1981	173.5	88.6	262.1	87.1	252.4	339.5	687.4	575.4	1262.8	52.9	90.4	143.3	**3288.7**	**4447.7**	**7736.4**
1982	166.2	117.1	283.3	86.0	246.9	332.9	718.3	590.8	1309.1	48.5	89.3	137.8	**3215.8**	**4227.7**	**7443.5**
PRODUCING CAPACITY															
1983	*269.0*	*189.6*	*458.6*	*118.6*	*317.5*	*436.1*	*1000.9*	*817.9*	*1818.8*	*97.0*	*133.4*	*230.4*	*4386.8*	*5940.6*	*10327.4*
1984	*269.0*	*189.6*	*458.6*	*118.6*	*317.5*	*436.1*	*1100.1*	*817.9*	*1918.0*	*118.8*	*133.4*	*252.2*	*4567.7*	*6142.7*	*10710.4*

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1983 (1983) and December 1984 (1984).

These totals do not contain data for the fibers produced in North Korea.

a. Benelux includes Belgium, Netherlands and Luxembourg.

WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

MILLION POUNDS

				OTHER AMERICAS												
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE			COSTA RICA
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1976	**2790.7**	**3262.6**	**6053.3**	51.1	37.0	88.1	213.0	133.8	346.8	140.7	72.3	213.0	8.8	6.6	15.4	+
1977	**3120.0**	**3575.8**	**6695.8**	53.8	34.8	88.6	210.8	141.5	352.3	152.8	95.9	248.7	8.8	4.9	13.7	+
1978	**3233.7**	**3860.6**	**7094.3**	48.9	37.5	86.4	233.0	164.2	397.2	159.2	112.2	271.4	9.7	3.3	13.0	4.4
1979	**3515.2**	**4164.9**	**7680.1**	65.3	49.8	115.1	270.1	201.5	471.6	161.2	106.9	268.1	11.0	5.3	16.3	4.4
1980	**3112.0**	**4035.5**	**7147.5**	47.0	28.4	75.4	300.7	209.4	510.1	163.1	105.8	268.9	11.0	5.5	16.5	6.6
1981	**3172.0**	**4049.2**	**7221.2**	35.3	18.3	53.6	253.5	191.4	444.9	145.3	88.2	233.5	11.0	5.5	16.5	6.6
1982	**2472.2**	**3266.1**	**5738.3**	37.7	26.2	63.9	255.7	181.0	436.7	114.6	99.2	213.8	10.1	1.8	11.9	7.7
PRODUCING CAPACITY																
983	*3541.0*	*4530.9*	*8071.9*	*99.2*	*70.5*	*169.7*	*340.4*	*245.2*	*585.6*	*195.5*	*136.7*	*332.2*	*23.6*	*11.0*	*34.6*	*9.3*
1984	*3480.0*	*4664.9*	*8144.9*	*99.2*	*70.5*	*169.7*	*340.4*	*245.2*	*585.6*	*209.4*	*156.5*	*365.9*	*23.6*	*11.0*	*34.6*	*9.9*

	OTHER AMERICAS *(Continued)*																
	COLOMBIA			ECUADOR	GUATEMALA	MEXICO			PERU			URUGUAY			VENEZUELA		
YEAR	Y	S	TOT	Y	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	61.1	13.7	74.8	4.0	0	231.3	127.2	358.5	8.4	43.7	52.1	2.4	0	2.4	25.4	11.7	37.1
1977	72.1	13.4	85.5	5.1	0	265.4	144.6	410.0	12.3	42.3	54.6	2.4	+	2.4	25.8	12.6	38.4
1978	73.2	17.2	90.4	5.5	0	272.0	167.3	439.3	12.3	45.2	57.5	2.4	+	2.4	25.4	12.1	37.5
1979	63.3	17.6	80.9	7.5	+	300.0	205.0	505.0	15.4	46.3	61.7	2.4	5.3	7.7	25.8	13.4	39.2
1980	62.2	24.0	86.2	7.7	0	302.0	225.8	527.8	23.1	49.6	72.7	2.4	5.7	8.1	25.4	13.2	38.6
1981	72.3	24.7	97.0	7.7	0	293.2	244.7	537.9	22.3	46.5	68.8	2.0	4.6	6.6	16.5	13.2	29.7
1982	57.3	26.5	83.8	8.8	0	269.2	254.4	523.6	22.9	64.8	87.7	2.0	5.1	7.1	13.7	7.9	21.6
PRODUCING CAPACITY																	
1983	*98.1*	*33.1*	*131.2*	*15.4*	*4.4*	*423.7*	*379.6*	*803.3*	*26.5*	*72.8*	*99.3*	*2.4*	*7.5*	*9.9*	*31.3*	*12.1*	*43.4*
1983	*133.8*	*33.1*	*166.9*	*15.4*	*4.4*	*423.7*	*379.6*	*803.3*	*35.9*	*80.2*	*116.1*	*2.4*	*7.7*	*10.1*	*31.3*	*12.1*	*43.4*

							OTHER AFRICA, ASIA & OCEANIA						
	TOTAL OTHER AMERICAS			JAPAN			AUSTRALIA/N.Z.			BANGLADESH	PEOPLE'S REPUBLIC OF CHINA		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1976	**746.2**	**446.0**	**1192.2**	**1220.7**	**1433.9**	**2654.6**	44.1	2.2	46.3	0.9	33.1	81.6	114.7
1977	**809.3**	**490.0**	**1299.3**	**1301.2**	**1521.6**	**2822.8**	38.6	2.6	41.2	0.7	39.7	92.6	132.3
1978	**846.0**	**559.0**	**1405.0**	**1386.7**	**1646.8**	**3033.5**	39.9	2.4	42.3	1.1	66.1	235.0	301.1
1979	**926.4**	**651.1**	**1577.5**	**1391.5**	**1613.5**	**3005.0**	36.2	1.1	37.3	0.4	79.4	282.2	361.6
1980	**951.2**	**667.4**	**1618.6**	**1379.4**	**1611.8**	**2991.2**	26.4	+	26.4	0.7	94.8	451.9	546.7
1981	**865.7**	**637.1**	**1502.8**	**1338.2**	**1591.3**	**2929.5**	22.0	0	22.0	0.4	121.3	643.7	765.0
1982	**799.7**	**666.9**	**1466.6**	**1314.4**	**1561.3**	**2875.7**	32.0	0	32.0	0.4	147.7	665.8	813.5
PRODUCING CAPACITY													
1983	*1269.8*	*968.5*	*2238.3*	*1638.0*	*1862.9*	*3500.9*	*58.4*	*0*	*58.4*	*2.0*	*430.1*	*859.8*	*1289.9*
1984	*1329.4*	*995.9*	*2325.3*	*1638.0*	*1862.9*	*3500.9*	*58.4*	*0*	*58.4*	*2.0*	*480.6*	*992.1*	*1472.7*

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*														
	EGYPT			INDIA			INDONESIA			IRAN			ISRAEL		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	1.3	1.3	2.6	53.4	43.4	96.8	24.3	55.1	79.4	19.2	0	19.2	12.6	13.7	26.3
1977	1.8	0.9	2.7	56.4	47.6	104.0	38.1	82.0	120.1	18.7	0	18.7	12.8	12.3	25.1
1978	1.8	0.9	2.7	72.3	56.7	129.0	47.0	100.1	147.1	19.8	+	19.8	19.6	13.7	33.3
1979	3.3	0.9	4.2	78.9	61.3	140.2	50.0	110.9	160.9	11.0	0	11.0	21.8	14.1	35.9
1980	4.0	11.0	15.0	87.5	67.9	155.4	91.5	118.8	210.3	13.2	0	13.2	23.1	14.5	37.6
1981	4.4	11.0	15.4	112.2	87.7	199.9	102.3	121.5	223.8	22.0	22.0	44.0	23.1	15.0	38.1
1982	5.1	12.1	17.2	149.9	101.4	251.3	134.3	121.7	256.0	28.7	33.1	61.8	25.4	15.4	40.8
PRODUCING CAPACITY															
1983	*13.2*	*56.4*	*69.6*	*172.0*	*136.5*	*308.5*	*176.4*	*176.4*	*352.8*	*78.7*	*83.1*	*161.8*	*35.3*	*16.5*	*51.8*
1984	*19.8*	*111.6*	*131.4*	*231.5*	*200.4*	*431.9*	*176.4*	*176.4*	*352.8*	*78.7*	*83.1*	*161.8*	*35.3*	*16.5*	*51.8*

U.S.A. nylon producing capacity data do not include aramid.

WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY (EXCEPT OLEFIN) *(Continued)*

MILLION POUNDS

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*																
	KENYA			KOREA, REP. OF			MALAY-SIA	NIGERIA			PAKISTAN			PHILIPPINES			
YEAR	Y	S	TOT	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	
1976	0	0	0	311.5	370.4	681.9	33.1	0	0	0	5.3	0	5.3	30.9	17.2	48.1	
1977	0	0	0	358.2	413.1	771.3	66.1	0	+	+	4.9	0	4.9	32.8	17.2	50.0	
1978	0	0	0	458.6	494.9	953.5	72.8	+	6.6	6.6	4.2	0	4.2	35.3	19.0	54.3	
1979	+	0	+	522.9	529.3	1052.2	77.2	6.6	8.8	15.4	4.4	0	4.4	55.1	25.6	80.7	
1980	2.2	0	2.2	562.6	619.9	1182.5	79.4	5.5	5.5	11.0	3.3	0	3.3	66.2	30.9	97.1	
1981	2.2	0	2.2	626.1	719.6	1345.7	77.2	5.9	8.8	14.7	4.0	0	4.0	70.5	30.9	101.4	
1982	2.2	0	2.2	664.5	685.6	1350.1	70.5	2.6	2.4	5.0	11.2	15.2	26.4	77.2	33.1	110.3	
PRODUCING CAPACITY																	
1983	*24.3*	*11.9*	*36.2*	*765.9*	*794.1*	*1560.0*	*83.3*	*11.0*	*11.0*	*22.0*	*11.9*	*52.9*	*64.8*	*94.8*	*39.7*	*134.5*	
1984	*24.3*	*11.9*	*36.2*	*854.1*	*811.7*	*1665.8*	*83.3*	*11.0*	*11.0*	*22.0*	*60.6*	*52.9*	*113.5*	*94.8*	*39.7*	*134.5*	

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*													WORLD TOTAL EXCEPT OLEFIN		
	SOUTH AFRICA			SRI LANKA	TAIWAN			THAILAND			TOTAL OTHER A, A & O					
YEAR	Y	S	TOT	Y	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	60.4	28.7	89.1	0	354.3	246.3	600.6	56.9	64.8	121.7	**1008.2**	**957.8**	**1966.0**	**9100.7**	**9862.0**	**18962.7**
1977	56.7	29.8	86.5	0	386.7	416.7	803.4	69.9	84.0	153.9	**1116.0**	**1264.9**	**2380.9**	**9507.7**	**10663.0**	**20170.7**
1978	64.8	36.4	101.2	0	492.7	530.6	1023.3	76.5	96.1	172.6	**1399.7**	**1665.2**	**3064.9**	**10148.4**	**11972.9**	**22121.3**
1979	71.0	43.0	114.0	0	566.1	583.1	1149.2	87.5	110.0	197.5	**1594.6**	**1847.5**	**3442.1**	**10779.1**	**12592.4**	**23371.5**
1980	73.8	44.1	117.9	0	583.3	646.4	1229.7	80.5	109.1	189.6	**1718.6**	**2199.4**	**3918.0**	**10432.2**	**12661.6**	**23093.8**
1981	78.7	44.1	122.8	1.8	657.4	636.7	1294.1	89.1	124.1	213.2	**1943.4**	**2542.3**	**4485.7**	**10608.0**	**13267.6**	**23875.6**
1982	77.2	44.1	121.3	2.2	619.1	771.8	1390.9	137.8	144.0	281.8	**2117.5**	**2716.2**	**4833.7**	**9919.6**	**12438.2**	**22357.8**
PRODUCING CAPACITY																
1983	*94.8*	*48.5*	*143.3*	*6.0*	*916.7*	*886.5*	*1803.2*	*161.8*	*144.0*	*305.8*	*3053.3*	*3400.6*	*6453.9*	*13888.9*	*16703.5*	*30592.4*
1984	*112.4*	*48.5*	*160.9*	*6.0*	*1029.1*	*925.9*	*1955.0*	*163.1*	*144.0*	*307.1*	*3438.1*	*3709.0*	*7147.1*	*14453.2*	*17375.4*	*31828.6*

JUNE *Organon* CORRECTIONS

Pakistan. On page 86, the 1982 noncellulosic yarn production number should read 5.1, and 1982 staple number should read 6.9. On page 88, the 1982 cellulosic yarn production number should read 2.5.

Turkey. On page 84, the 1982 noncellulosic yarn production number should read 45.1, and the 1982 staple number should read 90.2.

U.S.A. On page 103, under the entry for American Hoechst Corporation, "*Trevira* (spunbonded)" should be included.

WORLD CELLULOSIC PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

	WEST EUROPE															
	AUSTRIA			BELGIUM/ NETHERLANDS			FINLAND			FRANCE			FED. REP. OF GERMANY			GREECE
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y
1976	33.1	196.0	229.1	86.0	47.2	133.2	2.0	68.8	70.8	53.8	132.9	186.7	146.2	112.4	258.6	14.8
1977	27.8	198.8	226.6	79.8	50.7	130.5	2.6	87.7	90.3	45.9	133.8	179.7	140.4	101.4	241.8	15.8
1978	24.9	211.6	236.5	79.4	52.0	131.4	2.6	94.4	97.0	42.5	121.7	164.2	131.6	108.0	239.6	15.8
1979	26.5	217.8	244.3	79.6	59.3	138.9	2.6	105.8	108.4	40.8	129.9	170.7	128.1	110.2	238.3	15.8
1980	33.7	221.8	255.5	82.5	48.5	131.0	1.3	104.1	105.4	36.2	109.3	145.5	143.7	101.4	245.1	15.8
1981	34.4	237.9	272.3	84.4	32.2	116.6	0	102.7	102.7	24.3	94.6	118.9	143.3	110.2	253.5	15.8
1982	30.4	222.2	252.6	83.9	19.6	103.5	0	117.1	117.1	19.0	81.3	100.3	134.5	110.2	244.7	15.8
PRODUCING CAPACITY																
1983	*37.0*	*233.7*	*270.7*	*96.8*	*39.2*	*136.0*	*0*	*134.5*	*134.5*	*22.0*	*88.2*	*110.2*	*149.9*	*121.3*	*271.2*	*16.5*
1984	*37.0*	*233.7*	*270.7*	*96.8*	*0*	*96.8*	*0*	*134.5*	*134.5*	*22.0*	*0*	*22.0*	*149.9*	*121.3*	*271.2*	*16.5*

	WEST EUROPE *(Continued)*																	
	ITALY			NOR-WAY	PORTUGAL			SPAIN			SWEDEN			SWIT-ZERLAND	TURKEY		
YEAR	Y	S	TOT	S	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT
1976	103.0	131.8	234.8	57.5	5.5	3.1	8.6	34.4	90.4	124.8	0	67.0	67.0	9.7	0.7	8.6	9.3
1977	97.9	137.3	235.2	54.2	5.7	3.1	8.8	33.1	95.0	128.1	0	73.0	73.0	10.4	0.7	8.8	9.5
1978	86.6	103.4	190.0	62.6	4.6	2.6	7.2	30.4	102.7	133.1	0	81.3	81.3	9.0	0.7	8.8	9.5
1979	84.7	86.0	170.7	64.6	5.5	3.7	9.2	27.8	99.9	127.7	0	81.3	81.3	7.3	0.7	13.2	13.9
1980	80.7	60.6	141.3	62.6	6.0	1.5	7.5	28.2	88.4	116.6	0	76.9	76.9	4.0	0.7	11.0	11.7
1981	77.4	53.8	131.2	62.6	6.4	0.7	7.1	27.8	83.3	111.1	0	76.5	76.5	+	0.7	11.5	12.2
1982	69.7	31.3	101.0	44.1	6.8	0	6.8	24.9	70.1	95.0	0	83.8	83.8	0	0.7	6.6	7.3
PRODUCING CAPACITY																	
1983	*90.4*	*33.1*	*123.5*	*0*	*8.8*	*0*	*8.8*	*37.7*	*77.2*	*114.9*	*0*	*99.2*	*99.2*	*0*	*0.9*	*17.6*	*18.5*
1984	*90.4*	*0*	*90.4*	*0*	*8.8*	*0*	*8.8*	*37.7*	*77.2*	*114.9*	*0*	*99.2*	*99.2*	*0*	*0.9*	*17.6*	*18.5*

	WEST EUROPE *(Continued)*						EAST EUROPE									
	UNITED KINGDOM			TOTAL WEST EUROPE			BULGARIA			CZECHOSLOVAKIA			GERMAN DEM. REP.			HUN-GARY
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1976	155.6	261.5	417.1	**644.8**	**1177.2**	**1822.0**	6.6	52.0	58.6	48.3	110.9	159.2	79.8	301.6	381.4	19.8
1977	138.0	250.4	388.4	**598.1**	**1194.2**	**1792.3**	6.6	56.7	63.3	48.5	111.5	160.0	79.4	288.8	368.2	20.1
1978	131.6	274.3	405.9	**559.7**	**1223.4**	**1783.1**	7.1	61.3	68.4	47.4	109.1	156.5	75.0	284.8	359.8	19.8
1979	130.5	306.9	437.4	**549.9**	**1278.6**	**1828.5**	7.1	66.1	73.2	48.5	79.4	127.9	77.2	286.6	363.8	19.0
1980	80.9	241.0	321.9	**513.7**	**1127.1**	**1640.8**	7.3	72.8	80.1	43.7	76.9	120.6	80.5	291.0	371.5	19.8
1981	59.5	225.8	285.3	**474.0**	**1091.8**	**1565.8**	9.5	76.5	86.0	40.1	79.4	119.5	81.6	291.0	372.6	16.5
1982	52.9	196.7	249.6	**438.6**	**983.0**	**1421.6**	8.8	75.0	83.8	43.2	78.3	121.5	75.0	276.0	351.0	16.8
PRODUCING CAPACITY																
1983	*79.4*	*254.6*	*334.0*	*539.4*	*1098.6*	*1638.0*	*11.0*	*92.6*	*103.6*	*55.1*	*125.7*	*180.8*	*84.9*	*319.7*	*404.6*	*22.0*
1984	*79.4*	*254.6*	*334.0*	*539.4*	*938.1*	*1477.5*	*11.0*	*0*	*11.0*	*55.1*	*125.7*	*180.8*	*84.9*	*335.1*	*420.0*	*22.0*

	EAST EUROPE *(Continued)*														
	POLAND			ROMANIA			U.S.S.R.			YUGOSLAVIA			TOTAL EAST EUROPE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	63.3	147.5	210.8	24.3	118.8	143.1	630.7	718.3	1349.0	33.3	110.2	143.5	**886.3**	**1579.1**	**2465.4**
1977	63.1	147.9	211.0	19.8	111.1	130.9	650.4	736.3	1386.7	32.8	123.5	156.3	**900.6**	**1595.9**	**2496.5**
1978	61.7	144.2	205.9	20.9	116.8	137.7	661.4	738.5	1399.9	33.1	125.7	158.8	**906.6**	**1600.2**	**2506.8**
1979	59.9	124.8	184.7	21.4	121.3	142.7	657.0	743.0	1400.0	34.2	127.9	162.1	**905.3**	**1568.1**	**2473.4**
1980	56.0	134.5	190.5	20.9	119.0	139.9	672.4	760.6	1433.0	33.1	127.9	161.0	**913.9**	**1602.5**	**2516.4**
1981	43.0	97.9	140.9	21.2	121.3	142.5	661.4	761.7	1423.1	33.1	127.9	161.0	**889.9**	**1572.2**	**2462.1**
1982	42.5	99.4	141.9	18.1	121.3	139.4	649.0	750.7	1399.7	28.7	121.3	150.0	**865.3**	**1538.8**	**2404.1**
PRODUCING CAPACITY															
1983	*69.4*	*157.6*	*227.0*	*22.0*	*121.3*	*143.3*	*749.6*	*778.2*	*1527.8*	*37.5*	*132.3*	*169.8*	*1029.5*	*1749.4*	*2778.9*
1984	*69.4*	*157.6*	*227.0*	*22.0*	*374.8*	*396.8*	*749.6*	*778.2*	*1527.8*	*37.5*	*132.3*	*169.8*	*1029.5*	*1925.7*	*2955.2*

Y means yarn+monofilaments. **S** means staple+tow. **TOT** means total.

The producing capacity, in operable condition, is shown on an annual basis as of March 1983 (1983) and December 1984 (1984).

These totals do not include data for production of cellulosic fibers in North Korea.

Production and producing capacity by country, divided between rayon and acetate yarn, is given on page 121. Also note page 122 for data on production of acetate staple and cigarette tow.

WORLD CELLULOSIC PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(Continued)*

MILLION POUNDS

				OTHER AMERICAS											
	U.S.A.			ARGENTINA			BRAZIL			CANADA			CHILE		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT
1976	354.5	486.4	840.9	11.7	11.0	22.7	75.4	43.4	118.8	12.6	46.7	59.3	2.2	6.6	8.8
1977	352.7	535.0	887.7	12.1	12.6	24.7	63.5	47.8	111.3	24.2	57.8	82.0	2.0	6.4	8.4
1978	362.9	541.6	904.5	9.7	8.4	18.1	53.1	49.4	102.5	27.1	59.1	86.2	1.7	7.3	9.0
1979	373.4	556.4	929.8	11.2	10.4	21.6	53.8	56.2	110.0	31.1	69.0	100.1	2.2	6.6	8.8
1980	355.6	450.4	806.0	4.4	3.3	7.7	57.3	55.8	113.1	30.9	66.1	97.0	2.2	6.6	8.8
1981	305.6	464.5	770.1	2.2	0	2.2	46.3	55.8	102.1	29.7	62.2	91.9	2.2	6.6	8.8
1982	228.0	356.0	584.0	2.2	0	2.2	45.9	53.4	99.3	20.9	61.7	82.6	2.2	7.1	9.3
PRODUCING CAPACITY															
1983	381.0	514.1	895.1	22.0	22.0	44.0	55.6	68.8	124.4	32.0	74.1	106.1	4.4	11.9	16.3
1984	381.0	514.1	895.1	22.0	22.0	44.0	55.6	68.8	124.4	32.0	74.1	106.1	4.4	11.9	16.3

	OTHER AMERICAS *(Continued)*													
	COLOMBIA			CUBA			MEXICO			PERU	URUGUAY	VENEZUELA	TOTAL OTHER AMERICAS		
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	Y	Y	Y	S	TOT
1976	7.5	0	7.5	5.5	7.7	13.2	43.0	25.1	68.1	4.6	2.4	6.2	171.1	140.5	311.6
1977	7.3	0	7.3	5.3	8.1	13.4	41.2	19.4	60.6	2.9	2.6	6.6	167.7	152.1	319.8
1978	7.5	0	7.5	5.1	8.1	13.2	37.9	23.1	61.0	2.4	2.9	6.6	154.0	155.4	309.4
1979	7.5	0	7.5	5.3	8.4	13.7	37.7	22.7	60.4	2.9	3.1	6.6	161.4	173.3	334.7
1980	5.3	0	5.3	4.8	8.4	13.2	37.0	24.3	61.3	3.3	2.9	6.2	154.3	164.5	318.8
1981	4.0	0	4.0	4.8	8.4	13.2	36.6	24.9	61.5	2.9	2.2	6.2	137.1	157.9	295.0
1982	4.0	0	4.0	4.6	7.9	12.5	31.1	11.9	43.0	2.2	1.3	7.1	121.5	142.0	263.5
PRODUCING CAPACITY															
1983	7.7	0	7.7	6.6	11.0	17.6	39.2	22.5	61.7	3.7	3.1	9.0	183.3	210.3	393.6
1984	7.7	0	7.7	6.6	11.0	17.6	32.4	22.5	54.9	3.7	3.1	9.0	176.5	210.3	386.8

				OTHER AFRICA, ASIA & OCEANIA												
	JAPAN			BANGLADESH			PEOPLE'S REPUBLIC OF CHINA			EGYPT			INDIA			INDONESIA
YEAR	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	Y	S	TOT	S
1976	241.0	551.8	792.8	2.0	0	2.0	121.2	154.3	275.5	13.9	7.0	20.9	133.6	184.5	318.1	0
1977	236.8	601.2	838.0	3.1	0	3.1	134.5	169.7	304.2	13.7	5.3	19.0	129.8	192.0	321.8	0
1978	242.0	616.0	858.0	6.6	0	6.6	143.3	176.4	319.7	13.2	8.2	21.4	137.6	202.8	340.4	0
1979	252.0	640.2	892.2	9.0	0	9.0	149.9	187.4	337.3	12.8	9.3	22.1	133.4	203.3	336.7	0
1980	263.0	612.9	875.9	7.7	0	7.7	165.3	209.4	374.7	13.2	8.8	22.0	127.2	164.7	291.9	0
1981	261.7	603.0	864.7	6.6	0	6.6	176.4	231.5	407.9	13.2	8.8	22.0	123.2	208.3	331.5	0
1982	265.7	570.6	836.3	5.5	0	5.5	176.4	231.5	407.9	15.4	9.9	25.3	118.6	110.9	229.5	22.3
PRODUCING CAPACITY																
1983	299.8	693.0	992.8	11.9	11.0	22.9	220.5	286.6	507.1	15.4	11.9	27.3	146.6	365.5	512.1	47.6
1984	299.8	693.0	992.8	11.9	11.0	22.9	220.5	286.6	507.1	15.4	11.9	27.3	146.6	365.5	512.1	79.3

	OTHER AFRICA, ASIA & OCEANIA *(Continued)*															
	IRAQ			REPUBLIC OF KOREA			PAKISTAN	TAIWAN			THAILAND	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	Y	S	TOT	Y	S	TOT	Y	Y	S	TOT	S	Y	S	TOT	Y	S	TOT
1976	6.6	12.1	18.7	31.3	15.6	46.9	5.7	6.8	144.2	151.0	4.4	321.1	522.1	843.2	2618.8	4457.1	7075.9
1977	6.2	11.7	17.9	28.2	21.4	49.6	5.7	6.6	146.8	153.4	23.6	327.8	570.5	898.3	2583.7	4648.9	7232.6
1978	6.6	12.1	18.7	28.0	22.0	50.0	5.1	6.8	154.1	160.9	29.8	347.2	605.4	952.6	2572.4	4742.0	7314.4
1979	6.4	11.9	18.3	29.1	22.9	52.0	4.4	6.6	154.3	160.9	33.3	351.6	622.4	974.0	2593.6	4839.0	7432.6
1980	6.6	12.1	18.7	27.3	33.1	60.4	6.0	6.6	166.0	172.6	36.2	359.9	630.3	990.2	2560.4	4587.7	7148.1
1981	6.6	12.1	18.7	28.2	30.6	58.8	5.3	6.6	213.2	219.8	36.2	366.1	740.7	1106.8	2434.4	4630.1	7064.5
1982	6.6	12.1	18.7	21.8	12.8	34.6	5.5	7.3	197.3	204.6	34.2	357.1	631.0	988.1	2276.2	4221.4	6497.6
PRODUCING CAPACITY																	
1983	7.7	14.3	22.0	28.9	61.7	90.6	7.3	9.5	219.1	228.6	36.2	447.8	1053.9	1501.7	2880.8	5319.3	8200.1
1984	7.7	14.3	22.0	28.9	61.7	90.6	7.3	9.5	219.1	228.6	40.1	447.8	1089.5	1537.3	2874.0	5370.7	8244.7

RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

	WEST EUROPE																			
	AUSTRIA		BELGIUM/ NETHERLANDS			FRANCE			FED. REP. OF GERMANY			ITALY			SPAIN			UNITED KINGDOM		
YEAR	H	R	H	R	A	H	R	A	H	R+C	A	H	R+C	A	H	R	A	H	R	A
1976	24	9	38	37	11	20	29	5	88	53	5	24	39	40	13	17	4	43	39	74
1977	20	8	38	31	11	18	28	0	84	53	4	24	34	39	15	13	4	37	27	74
1978	18	7	34	32	13	20	22	0	77	51	4	24	25	38	13	11	6	34	22	77
1979	18	9	30	34	15	21	20	0	72	51	4	24	20	41	11	11	7	25	22	83
1980	25	9	35	35	13	15	20	0	88	54	2	24	11	45	13	10	7	2	4	75
1981	25	9	35	36	13	4	20	0	86	55	2	23	11	42	11	11	7	0	0	60
1982	19	11	35	35	13	0	19	0	88	46	0	22	7	42	9	9	7	0	0	53
PRODUCING CAPACITY																				
1983	*26*	*11*	*42*	*37*	*18*	*0*	*22*	*0*	*95*	*55*	*0*	*26*	*20*	*44*	*18*	*11*	*9*	*0*	*0*	*79*
1984	*26*	*11*	*42*	*37*	*18*	*0*	*22*	*0*	*95*	*55*	*0*	*26*	*20*	*44*	*18*	*11*	*9*	*0*	*0*	*79*

	W. EUROPE *(Cont.)*				EAST EUROPE																
	OTHER[a]	TOTAL WEST EUROPE			BULGARIA	CZECHOSLOVAKIA		GERMAN DEM. REP.		POLAND		ROMANIA		U.S.S.R.			YUGOSLAVIA		TOTAL EAST EUROPE		
YEAR	R	H	R+C	A	R	H	R	H	R	H	R	H	R	H	R+C	A	H	R	H	R+C	A
1976	33	**250**	**256**	**139**	7	20	28	31	49	17	46	15	9	353	170	108	15	18	**451**	**327**	**108**
1977	34	**236**	**228**	**134**	7	21	27	29	50	17	46	13	7	364	177	110	15	18	**459**	**332**	**110**
1978	34	**220**	**204**	**136**	7	22	25	29	46	18	44	13	8	364	177	121	15	18	**461**	**325**	**121**
1979	33	**201**	**200**	**149**	7	22	26	29	48	16	44	13	8	360	177	121	15	19	**455**	**329**	**121**
1980	26	**202**	**169**	**143**	7	20	24	30	51	15	41	13	8	364	187	121	15	18	**457**	**336**	**121**
1981	24	**184**	**166**	**124**	9	18	22	31	51	10	33	13	8	364	177	121	15	18	**451**	**318**	**121**
1982	18	**173**	**151**	**115**	9	18	25	29	46	9	33	11	7	354	176	119	14	15	**435**	**311**	**119**
PRODUCING CAPACITY																					
1983	*26*	*207*	*182*	*150*	*11*	*24*	*31*	*32*	*53*	*18*	*51*	*13*	*9*	*375*	*221*	*154*	*18*	*20*	*480*	*396*	*154*
1984	*26*	*207*	*182*	*150*	*11*	*24*	*31*	*32*	*53*	*18*	*51*	*13*	*9*	*375*	*221*	*154*	*18*	*20*	*480*	*396*	*154*

				OTHER AMERICAS																			
	U.S.A.			ARGENTINA			BRAZIL			CANADA	CHILE	COLOMBIA		CUBA		MEXICO			PERU		URUGUAY	VENEZUELA
YEAR	H	R+C	A	H	R	A	H	R	A	A	R	R	A	H	R	H	R	A	R	A	A	A
1976	**52**	**15**	**287**	2	8	2	34	26	14	13	2	1	7	6	+	7	15	21	2	3	2	6
1977	**55**	**16**	**282**	2	8	2	25	26	13	24	2	0	7	5	+	6	15	20	2	1	3	7
1978	**46**	**15**	**302**	2	6	2	18	27	8	27	2	0	7	5	+	6	13	19	+	2	3	7
1979	**42**	**15**	**316**	3	6	2	16	31	7	31	2	0	7	5	+	7	13	17	+	3	3	7
1980	**31**	**15**	**310**	2	2	+	13	36	9	31	2	0	5	5	+	7	13	17	+	3	3	6
1981	**33**	**15**	**258**	0	+	2	10	29	7	30	2	0	4	5	+	7	13	17	+	3	2	6
1982	**31**	**12**	**185**	0	0	2	9	33	4	21	2	0	4	5	+	7	11	13	0	2	1	7
PRODUCING CAPACITY																						
1983	*46*	*15*	*320*	*2*	*12*	*8*	*11*	*34*	*11*	*32*	*4*	*0*	*8*	*7*	+	*7*	*13*	*20*	*0*	*4*	*3*	*9*
1984	*46*	*15*	*320*	*2*	*12*	*8*	*11*	*34*	*11*	*32*	*4*	*0*	*8*	*7*	+	*7*	*13*	*13*	*0*	*4*	*3*	*9*

							OTHER AFRICA, ASIA & OCEANIA												
	TOTAL OTHER AMERICAS			JAPAN			INDIA			REP. OF KOREA		PAKISTAN	OTHER[b]	TOTAL OTHER A, A & O			WORLD TOTAL		
YEAR	H	R	A	H	R+C	A	H	R	A	R	A	A	R	H	R	A	H	R+C	A
1976	**49**	**54**	**68**	**10**	**167**	**64**	38	92	4	26	5	6	149	**38**	**267**	**15**	**850**	**1086**	**681**
1977	**38**	**53**	**77**	**9**	**163**	**65**	38	88	4	24	4	6	163	**38**	**275**	**14**	**835**	**1067**	**682**
1978	**31**	**48**	**75**	**9**	**172**	**61**	39	95	4	24	4	5	175	**39**	**294**	**13**	**806**	**1058**	**708**
1979	**31**	**52**	**78**	**7**	**177**	**68**	36	93	4	25	4	4	187	**36**	**305**	**12**	**772**	**1078**	**744**
1980	**27**	**53**	**74**	**7**	**185**	**71**	31	92	4	23	4	6	199	**31**	**313**	**14**	**755**	**1072**	**733**
1981	**22**	**44**	**71**	**9**	**182**	**71**	31	88	4	24	4	5	209	**31**	**321**	**13**	**730**	**1046**	**658**
1982	**21**	**46**	**54**	**9**	**184**	**75**	31	84	4	18	4	5	212	**31**	**311**	**13**	**700**	**1015**	**561**
PRODUCING CAPACITY																			
1983	*27*	*63*	*95*	*22*	*203*	*75*	*44*	*95*	*4*	*25*	*4*	*7*	*267*	*44*	*387*	*15*	*826*	*1246*	*809*
1984	*27*	*63*	*88*	*22*	*203*	*75*	*44*	*95*	*4*	*25*	*4*	*7*	*267*	*44*	*387*	*15*	*826*	*1246*	*802*

H means high tenacity (tire & industrial type) viscose rayon yarn. **R** means regular+intermediate tenacity viscose rayon yarn. **C** means cuprammonium rayon yarn. **A** means acetate+triacetate yarn.

a. "Other West Europe" comprises Finland, Greece, Portugal, Switzerland and Turkey.

b. "Other Africa, Asia & Oceania" comprises Bangladesh, People's Republic of China, Egypt, Iraq and Taiwan.

WORLD OLEFIN FIBER PRODUCTION

MILLION POUNDS

COUNTRY	1976	1977	1978	1979	1980	1981	1982
WEST EUROPE							
BENELUX	75	90	108	123	126	145	161
DENMARK	15	27	31	33	31	31	29
FRANCE	77	57	66	53	59	62	57
GERMANY, FED. REP. OF	102	113	115	126	117	123	119
IRELAND (EIRE)	13	13	11	13	20	20	18
ITALY	121	117	130	135	126	137	130
UNITED KINGDOM	157	174	176	181	176	179	167
SUBTOTAL EEC	**560**	**591**	**637**	**664**	**655**	**697**	**681**
AUSTRIA	33	33	39	41	39	37	39
FINLAND	7	7	7	7	7	7	7
GREECE/CYPRUS	13	17	20	22	20	20	20
NORWAY	9	7	7	9	9	9	9
PORTUGAL	48	59	86	84	88	83	83
SPAIN	46	77	79	81	83	83	79
SWEDEN	7	7	7	7	7	7	7
SWITZERLAND	7	7	7	7	7	7	7
TURKEY	11	11	13	11	11	11	11
TOTAL W. EUROPE	**741**	**816**	**902**	**933**	**926**	**961**	**943**
EAST EUROPE							
CZECHOSLOVAKIA	24	26	24	26	24	24	24
HUNGARY	13	18	22	29	33	35	35
POLAND	24	29	31	29	31	33	26
U.S.S.R.	18	26	26	33	33	33	31
U.S.A.							
YARN+MONOFIL	295	304	315	333	324	320	295
STAPLE	60	79	95	119	115	141	139
FILM FIBER	220	249	282	306	309	326	289
OTHER AMERICAS							
ARGENTINA	20	22	24	24	22	22	24
BRAZIL	59	73	88	86	88	88	86
CANADA	66	70	68	71	66	66	62
CHILE	0	0	2	2	2	2	2
EL SALVADOR							
GUATEMALA	2	4	4	4	4	4	4
HONDURAS							
MEXICO	15	37	40	44	48	51	51
NICARAGUA		2	2	2	2	2	2
PERU	9	11	11	11	11	13	13
URUGUAY	4	4	2	2	2	4	4
JAPAN							
YARN+MONOFIL	31	33	35	40	35	31	31
STAPLE	62	55	60	64	60	57	62
FILM FIBER	97	99	NA	NA	NA	NA	NA
OTHER AFRICA, ASIA & OCEANIA							
AUSTRALIA	35	37	40	44	44	44	42
KOREA, REP. OF	11	13	15	18	9	7	4
PHILIPPINES	+	2	4	4	4	4	7
SOUTH AFRICA	22	20	7	7	7	7	7
TAIWAN	44	88	97	101	110	117	123
OTHER	0	+	+	+	+	+	+

The olefin data shown comprise (a) the poundages of yarn, monofilaments and staple plus film fiber reported by official sources, such as governments, trade associations or other statistical agents plus (b) estimates of the additional poundages of olefin fiber not included in the aforementioned data. Note text on page 82 of the June *Organon*.

No attempt is made to strike a world total inasmuch as data are incomplete for a number of countries, particularly in Latin America, East Europe and Other Africa, Asia & Oceania.

WORLD ACETATE STAPLE PRODUCTION & CAPACITY

MILLION POUNDS

	PRODUCTION							CAPACITY	
COUNTRY	1976	1977	1978	1979	1980	1981	1982	*1983*	*1984*
U.K.	1.8	1.5	1.1	1.1	0.7	0.4	0.4	*1.1*	*1.1*
U.S.A.	11.0	8.0	7.0	7.0	7.0	4.0	+	*7.9*	*4.0*
CANADA	2.6	3.7	1.3	0	0	0	0	*0*	*0*
INDIA	0.9	0.4	0.9	0.9	0.2	0.7	0.7	*1.8*	*1.8*
WORLD TOTAL	**16.3**	**13.6**	**10.3**	**9.0**	**7.9**	**5.1**	**1.1**	***10.8***	**6.9**

ESTIMATED WORLD CIGARETTE TOW PRODUCTION

MILLION POUNDS

AREA	1976	1977	1978	1979	1980	1981	1982
EUROPE[a]	130	148	168	163	163	178	178
U.S.A. OTHER AMER.[b]	} 362	382	397	439	485	498	476
ASIA[c]	82	86	88	90	90	93	93
WORLD TOTAL	**574**	**616**	**653**	**692**	**738**	**769**	**747**

a. Belgium, Fed. Rep. of Germany, U.S.S.R. & United Kingdom.
b. Brazil, Canada, Colombia, Mexico & Venezuela.
c. Japan and Rep. of Korea.

WORLD TEXTILE GLASS FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

	PRODUCTION							CAPACITY	
COUNTRY	1976	1977	1978	1979	1980	1981	1982	*1983*	*1984*
WEST EUROPE EAST EUROPE[a]	} 494	644	670	683	661	611	551	*816* *110*	*816* *110*
U.S.A.	677	787	924	1014	867	1040	899	*1803*	*1629*
OTHER AMERICAS	57	57	59	62	66	68	77	*132*	*132*
JAPAN	231	280	322	392	368	384	434	*503*	*503*
OTHER A, A & O[b]	27	29	27	27	29	31	26	*64*	*68*
TOTAL ABOVE	**1486**	**1797**	**2002**	**2178**	**1991**	**2134**	**1987**	***3428***	***3258***
CHINA U.S.S.R.	} DATA ARE NOT AVAILABLE						66 143	*110* *220*	*110* *220*

Textile glass fiber is defined on page 90 of the June *Organon*. The textile glass fiber producing capacity, in operable condition, is shown on an annual rate basis as of March 1983 (1983) and December 1984 (1984).

a. The data for East Europe do not include estimates for the U.S.S.R.

b. The Other Africa, Asia & Oceania countries are Australia, India and South Africa.

WORLD NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

MILLION POUNDS

FIBER & AREA	PRODUCTION																					PRODUCING CAPACITY					
	1976			1977			1978			1979			1980			1981			1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC																											
WEST EUROPE	1	1619	1620	*	1493	1493	*	1750	1750	*	1753	1753	*	1625	1625	*	1736	1736	0	1624	1624	*	2224	2224	*	2301	2301
EAST EUROPE	0	380	380	0	405	405	0	442	442	0	469	469	0	478	478	0	465	465	0	461	461	0	560	560	0	653	653
U.S.A.	0	621	621	0	709	709	0	725	725	0	761	761	0	783	783	0	690	690	0	624	624	0	851	851	0	842	842
OTHER AMERICAS	0	181	181	0	181	181	0	214	214	0	239	239	0	251	251	0	234	234	0	267	267	0	357	357	0	359	359
JAPAN	6	678	684	6	739	745	6	817	823	9	783	792	7	771	778	2	765	767	7	758	765	13	838	851	13	838	851
OTHER A., A. & O.	0	357	357	0	411	411	0	501	501	0	549	549	0	626	626	0	672	672	0	763	763	0	904	904	0	977	977
TOTAL	**7**	**3836**	**3843**	**6**	**3938**	**3944**	**6**	**4449**	**4455**	**9**	**4554**	**4563**	**7**	**4534**	**4541**	**2**	**4562**	**4564**	**7**	**4497**	**4504**	**13**	**5714**	**5727**	**13**	**5970**	**5983**
NYLON+ARAMID																											
WEST EUROPE	1395	269	1664	1249	268	1517	1247	330	1577	1259	326	1585	1149	283	1432	1146	284	1430	1002	238	1240	1442	370	1812	1475	381	1856
EAST EUROPE	854	62	916	869	67	936	892	69	961	914	68	982	1016	121	1137	1001	174	1175	1014	183	1197	1365	205	1570	1486	207	1693
U.S.A.	1372	703	2075	1512	814	2326	1654	896	2550	1781	939	2720	1631	727	2358	1581	752	2333	1241	686	1927	1903	983	2886	1898	1069	2967
OTHER AMERICAS	376	43	419	385	44	429	412	49	461	452	50	502	459	50	509	400	44	444	388	46	434	631	88	719	653	88	741
JAPAN	628	36	664	643	35	678	646	35	681	653	37	690	661	39	700	622	42	664	584	42	626	697	53	750	697	53	750
OTHER A., A. & O.	536	6	542	584	6	590	682	7	689	732	7	739	805	4	809	867	7	874	866	7	873	1325	22	1347	1382	22	1404
TOTAL	**5161**	**1119**	**6280**	**5242**	**1234**	**6476**	**5533**	**1386**	**6919**	**5791**	**1427**	**7218**	**5721**	**1224**	**6945**	**5617**	**1303**	**6920**	**5095**	**1202**	**6297**	**7363**	**1721**	**9084**	**7591**	**1820**	**9411**
POLYESTER																											
WEST EUROPE	866	895	1761	808	903	1711	867	945	1812	897	980	1877	792	898	1690	833	952	1785	872	940	1812	1058	1395	2453	1085	1417	2502
EAST EUROPE	191	499	690	207	641	848	247	669	916	260	680	940	300	708	1008	291	736	1027	322	754	1076	502	1140	1642	502	1140	1642
U.S.A.	1405	1935	3340	1592	2050	3642	1564	2236	3800	1717	2463	4180	1462	2526	3988	1567	2606	4173	1213	1956	3169	1609	2715	4324	1550	2754	4304
OTHER AMERICAS	369	222	591	423	265	688	432	296	728	472	362	834	492	366	858	463	359	822	410	354	764	637	523	1160	674	549	1223
JAPAN	553	625	1178	615	649	1264	701	703	1404	692	701	1393	672	707	1379	683	708	1391	692	692	1384	866	745	1611	866	745	1611
OTHER A., A. & O.	461	563	1024	519	812	1331	707	1102	1809	851	1226	2077	902	1480	2382	1060	1753	2813	1235	1838	3073	1695	2332	4027	2021	2566	4587
TOTAL	**3845**	**4739**	**8584**	**4164**	**5320**	**9484**	**4518**	**5951**	**10469**	**4889**	**6412**	**11301**	**4620**	**6685**	**11305**	**4897**	**7114**	**12011**	**4744**	**6534**	**11278**	**6367**	**8850**	**15217**	**6698**	**9171**	**15869**
OTHER FIBERS[a] EXCEPT OLEFIN																											
WEST EUROPE	8	24	32	8	21	29	8	21	29	11	23	34	14	26	40	16	18	34	8	22	28	18	28	46	18	26	44
EAST EUROPE	20	14	34	20	12	32	20	16	36	11	15	26	*	9	9	2	84	86	*	7	7	2	18	20	2	18	20
U.S.A.	14	3	17	16	3	19	16	3	19	17	2	19	19	*	19	24	1	25	18	*	18	29	2	31	32	*	32
OTHER AMERICAS	1	0	1	2	0	2	2	0	2	2	0	2	*	0	*	3	0	3	2	0	2	2	0	2	2	0	2
JAPAN	34	95	129	37	99	136	34	92	126	37	93	130	39	95	134	31	76	107	31	68	99	62	227	289	62	227	289
OTHER A., A. & O.	11	32	43	13	36	49	11	55	66	12	66	78	12	89	101	16	110	126	15	108	125	33	143	176	35	144	179
TOTAL	**88**	**168**	**256**	**96**	**171**	**267**	**91**	**187**	**278**	**90**	**199**	**289**	**84**	**219**	**303**	**92**	**289**	**381**	**74**	**205**	**279**	**146**	**418**	**564**	**151**	**415**	**566**
TOTAL FIBERS ABOVE																											
WEST EUROPE	2270	2807	5077	2065	2685	4750	2122	3046	5168	2167	3082	5249	1955	2832	4787	1995	2990	4985	1882	2824	4706	2518	4017	6535	2578	4125	6703
EAST EUROPE	1065	955	2020	1096	1125	[illegible]	1159	1196	2355	1185	1232	2417	1316	1316	2632	1294	1459	2753	1336	1404	2740	1869	1923	3792	1990	2018	4008
U.S.A.	2791	3262	6053	3120	3576	6696	3234	3860	7094	3515	4165	7680	3112	4036	7148	3172	4049	7221	2472	3266	5738	3541	4531	8072	3480	4665	8145
OTHER AMERICAS	746	446	1192	810	490	1300	846	559	1405	926	651	1577	951	667	1618	866	637	1503	800	667	1467	1270	968	2238	1329	996	2325
JAPAN	1221	1434	2655	1301	1522	2823	1387	1647	3034	1391	1614	3005	1379	1612	2991	1338	1591	2929	1314	1561	2875	1638	1863	3501	1638	1863	3501
OTHER A., A. & O.	1008	958	1966	1116	1265	2381	1400	1665	3065	1595	1848	3443	1719	2199	3918	1943	2542	4485	2116	2716	4832	3053	3401	6454	3438	3709	7147
WORLD TOTAL	**9101**	**9862**	**18963**	**9508**	**10663**	**20171**	**10148**	**11973**	**22121**	**10779**	**12592**	**23371**	**10432**	**12662**	**23094**	**10608**	**13268**	**23876**	**9920**	**12438**	**22358**	**13889**	**16703**	**30592**	**14453**	**17376**	**31829**

U.S.A. nylon producing capacity data do not include aramid.

Y means yarn+monofilaments. **S** means staple+tow+fiberfill. The regional totals here are the same as those on pages 116-118.

a. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE fluorocarbon, vinal and vinyon.

U.S. PRODUCTION OF HOSIERY, 1969-1982

MILLION DOZEN PAIRS

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
WOMEN'S														
PANTYHOSE · SHEER	44.9	81.7	60.7	76.0	68.9	54.4	51.6	55.1	47.6	44.6	55.3	57.3	59.6	58.5
· ELASTOMER	14.2	6.7	4.8	2.3	3.8	4.7	8.8	13.8	19.4	27.7	33.2	36.7	42.5	43.2
· OTHER[a]				2.6	2.3	0.9	0.9	1.5	1.7	1.6	2.4	2.0	2.4	3.4
SUBTOTAL PANTYHOSE	**59.1**	**88.4**	**65.5**	**80.9**	**75.0**	**60.0**	**61.3**	**70.4**	**68.7**	**73.9**	**90.9**	**96.0**	**104.5**	**105.1**
STOCKINGS · NONSTRETCH	44.6	23.4	14.1	8.5	7.7	5.9	4.5	3.7	3.0	2.6	2.4	2.0	1.8	1.5
· STRETCH	19.1	9.5	11.0	7.1	6.6	6.1	3.5	2.8	2.4	2.8	2.7	2.4	2.1	2.4
· SUPPORT	2.8	1.8	1.3	0.9	0.8	0.8	0.7	0.9	1.0	1.0	0.7	0.7	0.6	0.5
· OTHER	2.1	1.6	1.1	0.7	0.5	0.4	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1
SUBTOTAL STOCKINGS	**68.6**	**36.3**	**27.5**	**17.2**	**15.6**	**13.2**	**8.8**	**7.5**	**6.6**	**6.5**	**6.0**	**5.2**	**4.6**	**4.5**
SHEER KNEE-HIGHS & ANKLETS	0.4	1.0	2.1	4.6	9.3	15.5	27.6	35.9	35.3	30.5	44.8	38.4	42.6	38.1
TOTAL WOMEN'S	**128.1**	**125.7**	**95.1**	**102.7**	**99.9**	**88.7**	**97.7**	**113.8**	**110.6**	**110.9**	**141.7**	**139.6**	**151.7**	**147.7**
MEN'S (SIZES 10 AND UP)														
ANKLETS & FOOTSOCKS	48.1	54.1	49.7	52.9	52.9	53.9	51.2	51.5	50.7	51.7	43.7	27.9	27.8	27.1
MID-CALF	5.3	5.7	6.1	6.9	6.8	6.1	6.3	7.7	9.5	11.3	12.5	17.4	19.9	17.3
KNEE-HIGHS	3.8	4.4	3.9	3.7	4.0	4.2	5.7	6.8	9.1	13.4	16.0	17.8	20.7	17.6
TOTAL MEN'S	**57.2**	**64.2**	**59.7**	**63.5**	**63.7**	**64.2**	**63.2**	**66.0**	**69.3**	**76.4**	**72.2**	**63.1**	**68.4**	**62.0**
GIRLS', BOYS' & WOMEN'S (SIZES 8-11)														
ANKLETS	22.7	20.4	21.4	21.3	22.2	20.7	20.7	21.3	20.3	18.5	19.6	12.5	14.6	11.9
KNEE-HIGHS	10.2	10.4	11.9	14.2	15.0	16.1	16.8	19.4	21.9	20.6	22.1	24.3	29.8	23.4
MID-CALF/CREW	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	4.5	4.0
WAIST-HIGHS												0.3	0.5	0.5
FOOTSOCKS	2.6	2.8	2.7	4.5	4.0	4.6	4.4	5.7	6.8	7.6	6.7	8.6	9.4	6.5
TOTAL SIZES 8-11	**35.5**	**33.6**	**36.0**	**40.0**	**41.2**	**41.4**	**41.9**	**46.4**	**49.0**	**46.7**	**48.4**	**48.8**	**58.8**	**46.3**
INFANTS' & CHILDREN'S (SIZES 3-8½)														
ANKLETS	15.9	15.3	15.6	17.3	17.9	17.3	17.3	21.3	21.4	22.1	22.1	19.3	20.5	16.1
KNEE-HIGHS	3.5	4.2	3.8	3.6	4.1	4.2	4.1	5.5	6.1	6.4	8.5	6.6	7.7	6.7
MID-CALF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.3	1.2	1.4
WAIST-HIGHS & FOOTSOCKS	1.2	1.1	0.7	0.8	0.6	0.6	0.6	0.9	1.0	1.3	1.6	1.6	1.8	1.6
TOTAL SIZES 3-8½	**20.6**	**20.6**	**20.1**	**21.7**	**22.6**	**22.1**	**22.0**	**27.7**	**28.5**	**29.8**	**32.2**	**28.8**	**31.2**	**25.8**
TOTAL HOSIERY	**241.4**	**244.1**	**210.9**	**227.9**	**227.4**	**216.4**	**224.8**	**253.9**	**257.4**	**263.8**	**294.5**	**280.3**	**310.1**	**281.8**

SOURCE: National Association of Hosiery Manufacturers · *1982 Hosiery Statistics.*

[a] Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

ANNOUNCEMENT

The 1982 Textile Fiber End Use Survey will appear in the September issue of the ***Textile Organon***. Previously, the end use survey appeared in the November issue of the ***Organon*** each year.

As a service to our readers, the earlier publication of this survey will permit the more timely use of these crucial data.

The U.S. listing of man-made fiber producers, normally found in September, will now appear in November.

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	4TH Q 1981			1ST Q 1982			2ND Q 1982			3RD Q 1982			4TH Q 1982			1ST Q 1983		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
CELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	2.1	5.8	3.7 E	2.0	7.4	5.4 E	2.1	4.5	2.4 E	1.6	6.0	4.4 E	1.3	4.2	2.9 E	2.0	5.1	3.1 E
STAPLE+TOW[b]	4.3	15.0	10.7 E	3.8	14.7	10.9 E	2.7	14.9	12.2 E	4.1	17.4	13.3 E	2.8	19.9	17.1 E	2.3	8.6	6.3 E
WASTE	0.2	0.9	0.7 E	0.1	1.0	0.9 E	0.2	1.3	1.1 E	0.1	0.4	0.3 E	0	0.5	0.5 E	+	0.4	0.4 E
SUBTOTAL ABOVE	**6.6**	**21.7**	**15.1 E**	**5.9**	**23.1**	**17.2 E**	**5.0**	**20.7**	**15.7 E**	**5.8**	**23.8**	**18.0 E**	**4.1**	**24.6**	**20.5 E**	**4.3**	**14.1**	**9.8 E**
NONCELLULOSIC FIBERS																		
YARN+MONOFILAMENTS	4.6	109.9	105.3 E	4.2	109.3	105.1 E	4.9	114.8	109.9 E	6.9	62.4	55.5 E	7.8	59.8	52.0 E	9.1	64.4	55.3 E
STAPLE+TOW	12.2	191.1	178.9 E	9.6	148.6	139.0 E	10.7	85.6	74.9 E	15.4	87.0	71.6 E	15.4	89.8	74.4 E	18.8	88.6	69.8 E
WASTE	14.4	28.7	14.3 E	10.3	28.5	18.2 E	10.4	23.9	13.5 E	9.3	13.7	4.4 E	7.8	20.0	12.2 E	9.0	18.0	9.0 E
SUBTOTAL ABOVE	**31.2**	**329.7**	**298.5 E**	**24.1**	**286.4**	**262.3 E**	**26.0**	**224.3**	**198.3 E**	**31.6**	**163.1**	**131.5 E**	**31.0**	**169.6**	**138.6 E**	**36.9**	**171.0**	**134.1 E**
TOTAL FIBER ABOVE[c]	**37.8**	**351.4**	**313.6 E**	**30.0**	**309.5**	**279.5 E**	**31.0**	**245.0**	**214.0 E**	**37.4**	**186.9**	**149.5 E**	**35.1**	**194.2**	**159.1 E**	**41.2**	**185.1**	**143.9 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	0.7	2.7	2.0 E	1.0	2.5	1.5 E	0.3	1.2	0.9 E	1.0	1.9	0.9 E	0.4	1.1	0.7 E	1.4	1.1	0.3 I
SPUN YARNS	6.6	8.4	1.8 E	6.1	7.6	1.5 E	8.7	8.2	0.5 I	9.0	6.5	2.5 I	9.4	5.9	3.5 I	7.8	7.2	0.6 I
THREAD & CRAFT YARNS	0.8	1.5	0.7 E	0.6	1.4	0.8 E	0.6	1.6	1.0 E	0.4	1.0	0.6 E	0.7	1.3	0.6 E	0.8	1.3	0.5 E
TIRE CORD & FABRIC	0.2	9.9	9.7 E	0.1	8.6	8.5 E	+	7.7	7.7 E	0.3	6.2	5.9 E	0.7	5.3	4.6 E	0.6	4.4	3.8 E
WOVEN FABRIC	22.3	44.2	21.9 E	21.2	31.3	10.1 E	24.6	36.1	11.5 E	26.1	31.3	5.2 E	21.4	33.9	12.5 E	25.1	28.3	3.2 E
KNIT FABRIC	0.6	3.8	3.2 E	0.6	3.6	3.0 E	0.6	3.5	2.9 E	0.6	4.2	3.6 E	0.5	4.3	3.8 E	0.5	3.5	3.0 E
NARROW FABRICS	2.1	6.7	4.6 E	2.4	6.3	3.9 E	3.2	7.5	4.3 E	2.5	6.7	4.2 E	2.0	6.1	4.1 E	3.7	5.1	1.4 E
APPAREL KNIT	44.0	24.8	80.6 I	34.2	21.5	81.2 I	45.7	21.3	97.6 I	65.8	17.9	135.0 I	47.4	14.5	97.5 I	48.0	17.6	105.2 I
· NOT KNIT	61.4			68.5			73.2			87.1			64.6			74.8		
HOME FURNISHINGS[e]	17.2	18.9	16.8 E	14.3	17.3	15.8 E	17.2	19.8	18.0 E	19.0	14.1	8.2 E	16.0	14.7	12.0 E	23.2	15.7	7.3 E
OTHER		15.1			12.8			15.4			13.1			13.3			14.8	
TOTAL MANUFACTURES	**155.9**	**136.0**	**19.9 I**	**149.0**	**112.9**	**36.1 I**	**174.1**	**122.3**	**51.8 I**	**211.8**	**102.9**	**108.9 I**	**163.1**	**100.4**	**62.7 I**	**185.9**	**99.0**	**86.9 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**193.7**	**487.4**	**293.7 E**	**179.0**	**422.4**	**243.4 E**	**205.1**	**367.3**	**162.2 E**	**249.2**	**289.8**	**40.6 E**	**198.2**	**294.6**	**96.4 E**	**227.1**	**284.1**	**57.0 E**
COTTON MANUFACTURES[f]	**235.4**	**78.8**	**156.6 I**	**211.5**	**65.4**	**146.1 I**	**221.3**	**73.3**	**148.0 I**	**250.0**	**59.1**	**190.9 I**	**214.4**	**55.6**	**158.8 I**	**273.8**	**56.0**	**217.8 I**
WOOL MANUFACTURES[g]	**24.4**	**2.7**	**21.7 I**	**21.7**	**3.0**	**18.7 I**	**29.6**	**3.5**	**26.1 I**	**37.0**	**2.9**	**34.1 I**	**11.8**	**1.4**	**10.4 I**	**26.4**	**2.3**	**24.1 I**

SOURCES: The man-made fiber import and export data are from the U.S. Bureau of the Census. The man-made, cotton and wool manufactures data are from *Cotton and Wool Outlook & Situation*, a publication of the U.S. Department of Agriculture.

The total man-made fiber and manufactures import, export and balance data of this table cover the cellulosic and noncellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance; **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man-Made Fiber Above" on page 127 of this issue for imports and page 76 of the May issue for exports.

d. Man-made fiber equivalent.

e. These import data do not reflect significant poundages of luggage. On a monthly basis, from May 1982 - March 1983, the poundages are (in millions of pounds): 8.0, 17.9, 17.2, 17.2, 14.0, 12.3, 12.6, 10.0, 12.9, 12.6 & 14.5.

f. Raw cotton equivalent. Data are similar to those on page 39 of the March Textile Organon.

g. Raw wool content. The data differ from those on page 39 of the March Textile Organon to the extent that noils and waste are included here.

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983						5 MONTHS	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUNE	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS								
BRAZIL	0	30	30	30	0		90	55
CANADA	208	341	88	121	0		758	15
MEXICO	73	52	16	92	39		272	578
AUSTRIA	41	289	219	138	249		936	696
GERMANY, FED. REP. OF	93	103	134	79	141		550	1326
NETHERLANDS	11	71	43	0	96		221	292
UNITED KINGDOM	0	10	0	25	28		63	0
JAPAN	18	6	60	3	50		137	135
ALL OTHER COUNTRIES[a]	40	48	3	10	15		116	449
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**		**3143**	**3546**
CELLULOSIC STAPLE+TOW								
CANADA	442	346	225	425	556		1994	812
AUSTRIA	0	158	95	0	76		329	1949
FRANCE	0	0	56	0	18		74	55
SWEDEN	0	187	213	307	420		1127	2078
UNITED KINGDOM	2	0	64	38	41		145	415
JAPAN	134	174	151	178	199		836	501
TAIWAN	5	22	0	0	69		96	0
ALL OTHER COUNTRIES[b]	0	1	0	2	16		19	436
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**		**4620**	**6246**
NONCELLULOSIC YARN, MONOFIL & STRIPS								
CANADA	752	426	734	662	705		3279	1452
MEXICO	17	289	421	257	439		1423	14
FRANCE	157	210	165	120	98		750	476
GERMANY, FED. REP. OF	636	574	397	562	547		2716	2179
ITALY	88	11	37	106	401		643	212
NETHERLANDS	1	34	11	81	6		133	25
SPAIN	153	92	31	127	32		435	0
SWITZERLAND	47	122	74	96	59		398	38
UNITED KINGDOM	36	444	173	351	457		1461	201
ISRAEL	64	298	74	117	26		579	1
JAPAN	810	902	590	888	1234		4424	2465
REP. OF KOREA	6	7	3	84	104		204	10
TAIWAN	13	49	25	1	3		91	21
ALL OTHER COUNTRIES[c]	68	10	13	33	27		151	251
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**		**16687**	**7345**
NONCELLULOSIC STAPLE+TOW								
CANADA	278	400	491	274	838		2281	2308
COSTA RICA	0	0	0	49	42		91	0
MEXICO	1197	475	437	294	810		3213	340
BELGIUM	6	72	2	34	2		116	73
FRANCE	1250	340	687	779	659		3715	1466
GERMANY, FED. REP. OF	936	1250	1941	1712	1104		6943	4043
ITALY	421	1918	608	2105	325		5377	412
NETHERLANDS	0	38	49	93	52		232	350
SWITZERLAND	0	0	0	55	2		57	37
UNITED KINGDOM	233	736	816	1392	2099		5276	1354
AUSTRALIA	0	91	0	0	0		91	0
ISRAEL	0	55	57	0	0		112	1
JAPAN	933	513	1174	1083	779		4482	2480
REP. OF KOREA	0	40	0	40	0		80	0
TAIWAN	381	449	524	346	38		1738	2589
ALL OTHER COUNTRIES[d]	0	0	7	140	29		127	632
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**		**33931**	**16085**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 26, Italy 10, Rep. of Korea 40, Sweden 8, Taiwan 1 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 16, German Dem. Rep. 1 and Mexico 1.

c. Australia 10, Austria 34, Belgium 7, Costa Rica 15, Iceland 16, Ireland 38, Portugal 9 and Sweden 22.

d. Austria 1, Denmark 38, Finland 1, Ireland 39, Portugal 11, South Africa 36 and Spain 1.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/83	1983						5 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	1983	1982
CELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED	310.0106 & .0206	129	72	5	0	+		206	74
OTHER	310.0130 & .0230[a]	355	866	585	464	580		2850	3470
MONOFILAMENTS	309.0310 & .0610	0	0	0	+	0		+	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12	3	34	38		87	0
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**		**3143**	**3546**
STAPLE	309.4320 & .4325	553	818	740	882	1324		4317	5614
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71		303	632
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**		**4620**	**6246**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95		177	261
NONCELLULOSIC FIBERS									
YARN - SINGLES									
TEXTURED - NYLON	310.0109 & .0209	284	338	271	266	445		1604	1448
- POLYESTER	310.0110 & .0210	79	40	1	20	127		267	317
- OTHER	310.0114 & .0214	853	364	674	602	655		3148	756
OTHER - NYLON	310.0149 & .0249	305	1337	744	1016	1383		4785	890
- POLYESTER	310.0150 & .0250	962	998	637	1023	1029		4649	2454
- OTHER	310.0170 & .0270[b]	158	268	244	342	367		1379	694
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73		648	670
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15	33	48	59		207	116
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**		**16687**	**7345**
STAPLE - NYLON	309.4338	1176	2537	1854	3072	2050		10689	1401
- POLYESTER	309.4342	1522	361	934	689	621		4127	3008
- ACRYLIC	309.4345	643	784	879	1040	1133		4479	2938
- OLEFIN	309.4346	106	3	203	133	92		537	95
- OTHER	309.4355	796	660	929	978	342		3705	3436
GROUPED FILAMENTS									
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035		7269	2784
POLYESTER	309.3040 & .3140	+	5	6	175	101		287	18
ACRYLIC	309.3050 & .3150	324	881	416	570	311		2502	1940
OTHER	309.3065 & .3165	16	74	70	82	94		336	465
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**		**33931**	**16085**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092	1917	2281		8831	9967
- POLYESTER	309.6630	572	1339	909	809	677		4306	4942
- ACRYLIC	309.6645	45	130	0	54	0		229	546
- OTHER	309.6660	266	129	118	443	491		1447	1645
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31		57	20
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408	56		1305	118
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**		**16175**	**17238**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**		**74733**	**50721**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD									
YARN - PLIED									
TEXTURED - CELLULOSIC	310.1106	0	0	0	0	0		0	1
- NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575		2810	1537
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2		46	89
- NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122		1192	314
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87		298	98
- OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082		11906	8269
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329	417		1639	1080
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218	235		1208	975
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511		2280	1138
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657		8761	5609
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**		**104873**	**69831**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983 JAN	1983 FEB	1983 MAR	1983 APR	1983 MAY	1983 JUN	YEAR TO DATE[a] 1983	YEAR TO DATE[a] 1982
	TOTAL SHIPMENTS[b]							
MAN-MADE FIBER DATA[c]								
YARN+MONOFILAMENTS[d]								
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**111.0**	**107.0**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	24.6	146.1	172.7
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	16.3	14.9
CARPET	45.4	48.4	56.3	60.2	66.0	76.6	352.9	275.2
TEXTILE	27.8	30.4	34.3	33.3	33.9	32.3	192.0	165.9
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	154.5	151.4
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	12.7	11.5
TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	518.8	497.5
OLEFIN[h]	51.2	55.0	58.3	58.4	61.9	62.6	347.4	299.8
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**300.9**	**312.6**	**316.4**	**1740.7**	**1588.9**
STAPLE+TOW+FIBERFILL[j]								
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**181.7**	**177.6**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	446.5	321.0
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.5	335.4	323.9
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	1080.5	997.3
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	86.4	70.4
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.7**	**1948.8**	**1712.6**
	END-OF-MONTH STOCK							
YARN+MONOFILAMENTS								
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**12.2**	**13.2**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	25.4	33.3
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.7	4.5
CARPET	54.2	53.6	51.3	50.1	48.2	40.5	40.5	51.4
TEXTILE	40.5	39.2	38.8	37.8	35.3	36.2	36.2	43.3
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	21.2	27.8
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.3	2.7
TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	73.8	81.7
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	54.6	54.6	63.1
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.6**	**262.6**	**261.5**	**258.7**	**258.7**	**307.8**
STAPLE+TOW+FIBERFILL								
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**28.9**	**36.4**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	44.7	53.6
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	60.2	61.9
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	158.6	175.2
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.5	21.9
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**278.0**	**312.6**

WOOL & COTTON CONSUMPTION

ITEM	JAN	FEB	MAR	APR	MAY	JUN	YEAR TO DATE 1983	YEAR TO DATE 1982
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5		59.9	57.2
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1		4.3	4.4
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6		64.2	61.6
RAW COTTON	213.2	228.1	255.6	244.1	241.1		1409.1	1069.0

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a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.

9/26/83
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Textile Organon

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MONTHLY REVIEW

Highlights

June U.S. Imports of Noncellulosic Staple+Tow Topped 9.1 Million Pounds . . . see page 135.

Second Quarter 1983 Production of Nylon Staple +Tow Totaled 234.9 Million Pounds . . . see page 133.

Second Quarter 1983 Domestic Shipments of Polyester Staple+Tow Totaled 540.4 Million Pounds . . . see page 133.

Total Noncellulosic Staple+Tow Production for Second Quarter 1983 Hit 1, 015.5 Million Pounds . . . see page 133.

Shipments of nylon yarn to the carpet trades fell in July, but these shipments were nearly 44% above the corresponding July 1982 level.

Polyester textile yarn+monofilament shipments fell for the third consecutive month and shipments of polyester industrial yarn+monofilaments fell to the lowest level yet this year.

Olefin yarn+monofilament shipments fell for the second straight month, but for the year to date the olefin yarn+monofilament total rose to a level over 18% above the corresponding January-July period of 1982.

Acrylic+modacrylic staple+tow shipments fell for the second straight month and shipments of nylon, polyester and olefin staple+tow each fell in July.

ITEM	1983		%[a]	1982	%[b]	YEAR TO DATE		%[c]
	JULY	JUNE		JULY		1983	1982	
	TOTAL SHIPMENTS MILLION POUNDS & *Percent*							
MAN-MADE FIBER DATA								
YARN+MONOFILAMENTS								
ACETATE	**18.5**	**21.3**	*-13.1*	**12.2**	*+51.6*	**129.5**	**119.2**	*+8.6*
NYLON[d] INDUSTRIAL	23.4	23.8	*-1.7*	23.5	*-0.4*	168.7	196.2	*-14.0*
LOW DENIER INDUSTRIAL	2.4	3.0	*-20.0*	1.9	*+26.3*	18.7	16.8	*+11.3*
CARPET	61.2	76.4	*-19.9*	42.6	*+43.7*	413.9	317.8	*+30.2*
TEXTILE	28.5	32.5	*-12.3*	21.4	*+33.2*	220.7	187.3	*+17.8*
POLYESTER INDUSTRIAL	21.5	29.0	*-25.9*	21.8	*-1.4*	176.0	173.2	*+1.6*
LOW DENIER INDUSTRIAL	1.7	2.4	*-29.2*	1.5	*+13.3*	14.4	13.0	*+10.8*
TEXTILE	71.9	85.9	*-16.3*	61.2	*+17.5*	590.7	558.7	*+5.7*
OLEFIN	59.5	63.9	*-6.9*	49.5	*+20.2*	412.4	349.3	*+18.1*
TOTAL NONCELLULOSIC ABOVE	**270.1**	**316.9**	*-14.8*	**223.4**	*+20.9*	**2015.5**	**1812.3**	*+11.2*
STAPLE+TOW+FIBERFILL								
RAYON	**30.6**	**35.6**	*-14.0*	**25.2**	*+21.4*	**212.3**	**202.8**	*+4.7*
NYLON[d]	71.2	87.8	*-18.9*	51.4	*+38.5*	517.7	372.4	*+39.0*
ACRYLIC+MODACRYLIC	47.5	56.7	*-16.2*	47.6	*-0.2*	383.1	371.5	*+3.1*
POLYESTER	154.6	192.3	*-19.6*	129.3	*+19.6*	1235.1	1126.6	*+9.6*
OLEFIN+VINYON	13.8	15.1	*-8.6*	11.6	*+19.0*	100.2	82.0	*+22.2*
TOTAL NONCELLULOSIC ABOVE	**287.1**	**351.9**	*-18.4*	**239.9**	*+19.7*	**2236.1**	**1952.5**	*+14.5*

-- means no change.

a. Percent change from previous month to current month.

b. Percent change to current month from same month last year.

c. Percent change from cumulative total last year to cumulative total this year.

d. 1983 Data for Nylon exclude Aramid, but Aramid is included in 1982.

Also see footnotes on last page of this issue.

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS[a]									
ACETATE															
PRODUCTION	52.9	53.0	46.1	43.2	195.2	50.3	62.2								
SHIPMENTS · DOMESTIC	44.9	47.1	39.5	37.5	169.0	44.1	53.9								
EXPORT	8.8	6.2	8.5	6.3	29.8	7.1	5.9								
TOTAL	53.7	53.3	48.0	43.8	198.8	51.2	59.8								
ENDING STOCK	13.5	13.2	11.3	10.7		9.8	12.2								
NYLON[b]															
PRODUCTION	299.9	309.0	312.1	320.6	1241.6	311.5	375.6								
SHIPMENTS · DOMESTIC	281.6	296.5	292.7	294.8	1165.6	295.0	359.1								
EXPORT	26.8	23.8	26.0	25.5	102.1	25.4	27.0								
TOTAL	308.4	320.3	318.7	320.3	1267.7	320.4	386.1								
ENDING STOCK	143.8	132.5	125.9	126.2		117.3	106.8								
OLEFIN[c]															
PRODUCTION	154.3	146.9	142.6	141.4	585.2	166.8	186.9								
SHIPMENTS · DOMESTIC	146.8	145.0	144.5	140.7	577.0	160.6	184.2								
EXPORT	4.7	3.3	3.1	4.2	15.3	3.9	4.2								
TOTAL	151.5	148.3	147.6	144.9	592.3	164.5	188.4								
ENDING STOCK	64.5	63.1	58.1	54.6		56.9	55.4								
POLYESTER															
PRODUCTION	331.5	318.1	280.5	283.5	1213.6	322.8	361.5								
SHIPMENTS · DOMESTIC	297.2	292.5	267.0	278.1	1134.8	306.3	342.6								
EXPORT	34.9	35.8	19.2	12.9	102.8	19.6	17.5								
TOTAL	332.1	328.3	286.2	291.0	1237.6	325.9	360.1								
ENDING STOCK	122.4	112.2	106.5	99.0		95.9	97.3								
TOTAL NONCELLULOSIC ABOVE															
PRODUCTION	785.7	774.0	735.2	745.5	3040.4	801.1	924.0								
SHIPMENTS · DOMESTIC	725.6	734.0	704.2	713.6	2877.4	761.9	885.9								
EXPORT	66.4	62.9	48.3	42.6	220.2	48.9	48.7								
TOTAL	792.0	796.9	752.5	756.2	3097.6	810.8	934.6								
ENDING STOCK	330.7	307.8	290.5	279.8		270.1	259.5								
DOMESTIC SHIPMENTS	725.6	734.0	704.2	713.6	2877.4	761.9	885.9								
IMPORTS · TEXTURED YARN[d]	2.0	3.1	3.7	6.1	14.9	4.7	5.3								
OTHER YARN[d]	2.8	2.6	4.1	3.9	13.4	6.6	7.5								
MONOFILAMENTS	0.4	0.4	0.4	0.3	1.5	0.4	0.4								
TOTAL IMPORTS	5.2	6.1	8.2	10.3	29.8	11.7	13.2								
TOTAL AVAILABLE	730.8	740.1	712.4	723.9	2907.2	773.6	899.1								
						TEXTILE GLASS FIBER									
PRODUCTION	207.6	209.8	241.0	240.8	899.2	245.1	273.1								
SHIPMENTS · DOMESTIC	190.5	214.8	227.8	228.4	861.5	246.6	294.4								
EXPORT	11.5	10.3	11.2	9.9	42.9	8.4	8.7								
TOTAL	202.0	225.1	239.0	238.3	904.4	255.0	303.1								
ENDING STOCK	151.8	136.5	138.5	141.0		131.1	101.1								
IMPORTS	3.8	3.2	3.7	3.4	14.1	4.8	5.3								
TOTAL AVAILABLE	194.3	218.0	231.5	231.8	875.6	251.4	299.7								

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" noncellulosic yarns (chiefly saran & spandex) are available annually only; see pages 36 & 37 of the March 1983 issue for further details on these yarns.

b. Nylon includes Aramid in 1982.

c. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

d. Yarn imports include singles and plied.

e. Acetate staple+tow data are available annually only; see pages 36 & 37 of the March 1983 issue for further details.

f. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1982					1983					1984				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW[e]									
RAYON															
PRODUCTION	96.2	86.7	87.8	84.3	355.0	92.6	92.1								
SHIPMENTS DOMESTIC	77.6	69.8	72.1	74.2	293.7	80.1	83.0								
EXPORT	13.4	16.8	15.3	21.0	66.5	6.9	11.7								
TOTAL	91.0	86.6	87.4	95.2	360.2	87.0	94.7								
ENDING STOCK	36.3	36.4	36.8	25.9		31.5	28.9								
DOMESTIC SHIPMENTS	77.6	69.8	72.1	74.2	293.7	80.1	83.0								
IMPORTS FOR CONSUMPTION															
STAPLE	3.5	2.4	3.7	2.3	11.9	2.1	3.9								
GROUPED FILAMENTS	0.3	0.4	0.4	0.4	1.5	0.2	0.2								
TOTAL IMPORTS	3.8	2.8	4.1	2.7	13.4	2.3	4.1								
TOTAL AVAILABLE	81.4	72.6	76.2	76.9	307.1	82.4	87.1								
NYLON[b]															
PRODUCTION	140.5	169.3	191.1	184.1	685.0	196.4	234.9								
SHIPMENTS DOMESTIC	141.9	170.8	185.8	174.8	673.3	196.0	243.5								
EXPORT	4.1	4.2	3.1	5.2	16.6	3.3	3.7								
TOTAL	146.0	175.0	188.9	180.0	689.9	199.3	247.2								
ENDING STOCK	59.3	53.6	55.8	59.9		57.0	44.7								
IMPORTS	1.0	0.7	5.0	4.8	11.5	5.6	7.6								
TOTAL AVAILABLE	142.9	171.5	190.8	179.6	684.8	201.6	251.1								
ACRYLIC+MODACRYLIC															
PRODUCTION	149.6	171.1	158.5	144.9	624.1	160.4	178.4								
SHIPMENTS DOMESTIC	108.1	127.9	113.6	108.3	457.9	120.1	129.3								
EXPORT	46.4	41.5	42.7	43.7	174.3	41.3	44.9								
TOTAL	154.5	169.4	156.3	152.0	632.2	161.4	174.2								
ENDING STOCK	60.2	61.9	64.1	57.0		56.0	60.2								
IMPORTS	2.0	1.3	1.7	2.9	7.9	2.3	3.9								
TOTAL AVAILABLE	110.1	129.2	115.3	111.2	465.8	122.4	133.2								
OLEFIN+VINYON															
PRODUCTION	35.8	30.8	37.6	34.0	138.2	37.9	42.9								
SHIPMENTS DOMESTIC	29.3	39.9	36.4	33.3	138.9	39.7	44.1								
EXPORT	0.6	0.6	1.6	2.1	4.9	0.7	1.9								
TOTAL	29.9	40.5	38.0	35.4	143.8	40.4	46.0								
ENDING STOCK	31.6	21.9	21.5	20.1		17.6	14.5								
POLYESTER															
PRODUCTION	538.7	459.6	447.4	509.5	1955.2	492.0	559.3								
SHIPMENTS DOMESTIC	437.3	445.3	428.9	456.0	1767.5	487.6	540.4								
EXPORT	86.4	28.3	25.8	33.6	174.1	30.1	22.4								
TOTAL	523.7	473.6	454.7	489.6	1941.6	517.7	562.8								
ENDING STOCK	189.2	175.2	167.9	187.8		162.1	158.6								
IMPORTS	1.9	1.7	1.8	1.9	7.3	2.8	2.1								
TOTAL AVAILABLE	439.2	447.0	430.7	457.9	1774.8	490.4	542.5								
TOTAL NONCELLULOSIC															
PRODUCTION	864.6	830.8	834.6	872.5	3402.5	886.7	1015.5								
SHIPMENTS DOMESTIC	716.6	783.9	764.7	772.4	3037.6	843.4	957.3								
EXPORT	137.5	74.6	73.2	84.6	369.9	75.4	72.9								
TOTAL	854.1	858.5	837.9	857.0	3407.5	918.8	1030.2								
ENDING STOCK	340.3	312.6	309.3	324.8		292.7	278.0								
DOMESTIC SHIPMENTS	716.6	783.9	764.7	772.4	3037.6	843.4	957.3								
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[f]	4.9	3.7	8.5	9.6	26.7	10.7	13.6								
OTHER N.C. STAPLE	1.8	3.8	4.0	1.9	11.5	2.7	2.5								
GROUPED FILAMENTS	2.9	3.1	2.9	4.1	13.0	5.4	8.1								
TOTAL IMPORTS	9.6	10.6	15.4	15.6	51.2	18.8	24.2								
TOTAL AVAILABLE	726.2	794.5	780.1	788.0	3088.8	862.2	981.5								

SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

	1983									6 MONTHS	
ITEM & COUNTRY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	1983	1982
CELLULOSIC YARN, MONOFIL & STRIPS											
BRAZIL	0	30	30	30	0	0				90	82
CANADA	208	341	88	121	0	92				850	156
MEXICO	73	52	16	92	39	229				501	670
AUSTRIA	41	289	219	138	249	316				1252	781
GERMANY, FED. REP. OF	93	103	134	79	141	65				615	1483
NETHERLANDS	11	71	43	0	96	58				279	322
UNITED KINGDOM	0	10	0	25	28	87				150	0
JAPAN	18	6	60	3	50	15				152	137
ALL OTHER COUNTRIES[a]	40	48	3	10	15	4				120	449
TOTAL CELL. YARN	**484**	**950**	**593**	**498**	**618**	**866**				**4009**	**4080**
CELLULOSIC STAPLE+TOW											
CANADA	442	346	225	425	556	444				2438	902
AUSTRIA	0	158	95	0	76	531				860	1949
FRANCE	0	0	56	0	18	1				75	61
SWEDEN	0	187	213	307	420	505				1632	2078
UNITED KINGDOM	2	0	64	38	41	76				221	415
JAPAN	134	174	151	178	199	165				1001	628
TAIWAN	5	22	0	0	69	0				96	0
ALL OTHER COUNTRIES[b]	0	1	0	2	16	36				55	539
TOTAL CELL. STAPLE	**583**	**888**	**804**	**950**	**1395**	**1758**				**6378**	**6572**
NONCELLULOSIC YARN, MONOFIL & STRIPS											
CANADA	752	426	734	662	705	829				4108	2047
MEXICO	17	289	421	257	439	243				1666	55
FRANCE	157	210	165	120	98	190				940	493
GERMANY, FED. REP. OF	636	574	397	562	547	584				3300	2633
ITALY	88	11	37	106	401	255				898	230
NETHERLANDS	1	34	11	81	6	17				150	28
SPAIN	153	92	31	127	32	286				721	0
SWITZERLAND	47	122	74	96	59	106				504	43
UNITED KINGDOM	36	444	173	351	457	99				1560	255
ISRAEL	64	298	74	117	26	111				690	1
JAPAN	810	902	590	888	1234	687				5111	3000
REP. OF KOREA	6	7	3	84	104	52				256	14
TAIWAN	13	49	25	1	3	58				149	21
ALL OTHER COUNTRIES[c]	68	10	13	33	27	44				195	327
TOTAL N.C. YARN	**2848**	**3468**	**2748**	**3485**	**4138**	**3561**				**20248**	**9147**
NONCELLULOSIC STAPLE+TOW											
CANADA	278	400	491	274	838	1183				3464	2673
COSTA RICA	0	0	0	49	42	42				133	0
MEXICO	1197	475	437	294	810	995				4208	415
BELGIUM	6	72	2	34	2	36				152	73
FRANCE	1250	340	687	779	659	665				4380	1713
GERMANY, FED. REP. OF	936	1250	1941	1712	1104	2052				8995	4384
ITALY	421	1918	608	2105	325	666				6043	488
NETHERLANDS	0	38	49	93	52	28				260	350
SWITZERLAND	0	0	0	55	2	9				66	54
UNITED KINGDOM	233	736	816	1392	2099	1824				7100	1535
AUSTRALIA	0	91	0	0	0	0				91	0
ISRAEL	0	55	57	0	0	0				112	60
JAPAN	933	513	1174	1083	779	1282				5764	3092
REP. OF KOREA	0	40	0	40	0	95				175	0
TAIWAN	381	449	524	346	38	158				1896	4630
ALL OTHER COUNTRIES[d]	0	0	7	140	29	75				202	792
TOTAL N.C. STAPLE	**5635**	**6377**	**6793**	**8347**	**6779**	**9110**				**43041**	**20259**

Other countries supplying 1983 poundages are:

a. People's Republic of China 9, France 26, Italy 14, Rep. of Korea 40, Sweden 8, Taiwan 1 and Yugoslavia 22.

b. Australia 1, Fed. Rep. of Germany 16, German Dem. Rep. 1, Mexico 4 and Romania 33.

c. Australia 10, Austria 34, Belgium 10, Costa Rica 15, Iceland 16, Ireland 42, Portugal 10, Romania 28, Sweden 29 and Thailand 1.

d. Austria 1, Denmark 38, Finland 1, Ireland 39, Portugal 11, South Africa 38, Romania 32, Spain 7 and Yugoslavia 35.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMODITY NUMBER AS OF 1/1/83	1983									6 MONTHS	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1983	1982
CELLULOSIC FIBERS												
YARN - SINGLES												
TEXTURED	310.0106 & .0206	129	72	5	0	+	50				256	101
OTHER	310.0130 & .0230[a]	355	866	585	464	580	770				3620	3975
MONOFILAMENTS	309.0310 & .0610	0	0	0	+	0	0				+	2
STRIPS, $1/LB & UNDER	309.2000 *	0	12	3	34	38	46				133	2
SUBTOTAL ABOVE		**484**	**950**	**593**	**498**	**618**	**866**				**4009**	**4080**
STAPLE	309.4320 & .4325	553	818	740	882	1324	1679				5996	5854
GROUPED FILAMENTS	309.3010 & .3110	30	70	64	68	71	79				382	718
SUBTOTAL ABOVE		**583**	**888**	**804**	**950**	**1395**	**1758**				**6378**	**6572**
WASTE, ADVANCED & NOT ADVANCED	309.6500 & .7510	41	0	41	0	95	0				177	261
NONCELLULOSIC FIBERS												
YARN - SINGLES												
TEXTURED - NYLON	310.0109 & .0209	284	338	271	266	445	501				2105	1789
POLYESTER	310.0110 & .0210	79	40	1	20	127	125				392	318
OTHER	310.0114 & .0214	853	364	674	602	655	794				3942	1086
OTHER - NYLON	310.0149 & .0249	305	1337	744	1016	1383	934				5719	1199
POLYESTER	310.0150 & .0250	962	998	637	1023	1029	918				5567	2750
OTHER	310.0170 & .0270[b]	158	268	244	342	367	122				1501	1003
MONOFILAMENTS	309.0200 & .0330[c]	155	108	144	168	73	119				767	865
STRIPS, OVER $1/LB	309.2100 & .2500 *	52	15	33	48	59	48				255	137
SUBTOTAL ABOVE		**2848**	**3468**	**2748**	**3485**	**4138**	**3561**				**20248**	**9147**
STAPLE - NYLON	309.4338	1176	2537	1854	3072	2050	2518				13207	1677
POLYESTER	309.4342	1522	361	934	689	621	833				4960	3575
ACRYLIC	309.4345	643	784	879	1040	1133	1769				6248	3262
OLEFIN	309.4346	106	3	203	133	92	82				619	122
OTHER	309.4355	796	660	929	978	342	840				4545	5581
GROUPED FILAMENTS												
NYLON	309.3030 & .3130	1052	1072	1502	1608	2035	2526				9795	3050
POLYESTER	309.3040 & .3140	+	5	6	175	101	59				346	18
ACRYLIC	309.3050 & .3150	324	881	416	570	311	397				2899	2478
OTHER	309.3065 & .3165	16	74	70	82	94	86				422	496
SUBTOTAL ABOVE		**5635**	**6377**	**6793**	**8347**	**6779**	**9110**				**43041**	**20259**
WASTE, NOT ADVANCED - NYLON	309.6625	1197	1344	2092	1917	2281	2004				10835	12548
POLYESTER	309.6630	572	1339	909	809	677	856				5162	5444
ACRYLIC	309.6645	45	130	0	54	0	0				229	741
OTHER	309.6660	266	129	118	443	491	405				1852	1819
NOILS & GARNETTED FIBERS	309.6000 & .7000 *	0	0	0	26	31	41				98	20
OTHER WASTE, ADVANCED	309.7525 - .7555	280	162	399	408	56	259				1564	119
SUBTOTAL ABOVE		**2360**	**3104**	**3518**	**3657**	**3536**	**3565**				**19740**	**20691**
TOTAL MAN-MADE ABOVE		**11951**	**14787**	**14497**	**16937**	**16561**	**18860**				**93593**	**61010**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD												
YARN - PLIED												
TEXTURED - CELLULOSIC	310.1106	0	0	0	0	0	+				+	1
NONCELLULOSIC	310.1015[d] & .1109[e]	590	626	603	416	575	777				3587	1889
OTHER - CELLULOSIC	310.1030 & .1135[f]	41	0	3	0	2	5				51	117
NONCELLULOSIC	310.1050 & .1070[g]	221	184	567	98	122	102				1294	435
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	49	49	84	29	87	163				461	105
OTHER	310.4015 & .4027[i]	2220	1846	2421	2337	3082	2888				14794	10209
OTHER YARNS - NES, INCL. CHENILLE	310.6029 - .8000	375	193	325	329	417	558				2197	1473
HANDWORK YARNS & SEWING THREAD	310.9000 - .9140	229	269	257	218	235	326				1534	1209
SLIVER, TOPS & ROVING	309.9000	352	326	667	424	511	534				2814	1271
TEXTILE GLASS FIBER	309.2800 & .2900[j]	1145	1604	2008	2347	1657	1264				10025	6967
GRAND TOTAL ABOVE		**17173**	**19884**	**21432**	**23135**	**23249**	**25477**				**130350**	**84686**

SOURCE: U.S.Census Bureau Report IM145X.

NES - Not elsewhere specified.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any separation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1110 & .1114.

f. Also includes 310.2010 & .2110.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5030.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.9800 & .9900.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1983									YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1983	1982
					TOTAL SHIPMENTS[b]						
MAN-MADE FIBER DATA[c]											
YARN+MONOFILAMENTS[d]											
ACETATE	**15.1**	**15.7**	**20.4**	**18.8**	**19.7**	**21.3**	**18.5**			**129.5**	**119.2**
NYLON[e] INDUSTRIAL[f]	20.8	23.5	25.7	25.9	25.6	23.8	23.4			168.7	196.2
LOW DENIER INDUSTRIAL[g]	2.5	2.4	2.9	2.5	3.0	3.0	2.4			18.7	16.8
CARPET	45.4	48.4	56.3	60.2	66.0	76.4	61.2			413.9	317.8
TEXTILE	27.8	30.4	34.3	33.3	33.9	32.5	28.5			220.7	187.3
POLYESTER INDUSTRIAL[f]	24.0	23.6	25.4	25.4	27.1	29.0	21.5			176.0	173.2
LOW DENIER INDUSTRIAL[g]	1.9	1.7	2.0	2.1	2.6	2.4	1.7			14.4	13.0
TEXTILE	73.9	82.8	90.6	93.1	92.5	85.9	71.9			590.7	558.7
OLEFIN[h]	51.2	55.0	58.3	60.5	64.0	63.9	59.5			412.4	349.3
TOTAL NONCELLULOSIC ABOVE[i]	**247.5**	**267.8**	**295.5**	**303.0**	**314.7**	**316.9**	**270.1**			**2015.5**	**1812.3**
STAPLE+TOW+FIBERFILL[j]											
RAYON	**29.5**	**26.6**	**30.9**	**29.6**	**29.5**	**35.6**	**30.6**			**212.3**	**202.8**
NYLON[e]	64.8	63.5	71.0	76.6	82.8	87.8	71.2			517.7	372.4
ACRYLIC+MODACRYLIC	49.3	52.2	59.9	59.5	58.0	56.7	47.5			383.1	371.5
POLYESTER	154.2	172.1	191.4	181.2	189.3	192.3	154.6			1235.1	1126.6
OLEFIN+VINYON	11.4	14.3	14.7	15.2	15.7	15.1	13.8			100.2	82.0
TOTAL NONCELLULOSIC ABOVE	**279.7**	**302.1**	**337.0**	**332.5**	**345.8**	**351.9**	**287.1**			**2236.1**	**1952.5**
					END-OF-MONTH STOCK						
YARN+MONOFILAMENTS											
ACETATE	**10.2**	**10.0**	**9.8**	**10.2**	**11.8**	**12.2**	**13.6**			**13.6**	**12.3**
NYLON[e] INDUSTRIAL[f]	26.4	24.1	23.3	23.2	23.4	25.4	28.4			28.4	36.5
LOW DENIER INDUSTRIAL[g]	3.4	3.7	4.4	5.0	5.1	4.7	4.9			4.9	4.6
CARPET	54.2	53.6	51.3	50.1	48.2	40.5	47.7			47.7	59.6
TEXTILE	40.5	39.2	38.3	37.8	35.3	36.2	38.2			38.2	43.4
POLYESTER INDUSTRIAL[f]	27.2	27.8	27.7	26.1	25.3	21.2	23.1			23.1	28.1
LOW DENIER INDUSTRIAL[g]	3.5	3.6	3.4	3.1	2.4	2.3	2.6			2.6	2.5
TEXTILE	66.8	69.2	64.8	64.4	68.5	73.8	89.6			89.6	83.8
OLEFIN[h]	57.1	56.9	56.9	52.9	53.3	55.4	55.0			55.0	61.5
TOTAL NONCELLULOSIC ABOVE[i]	**279.1**	**278.1**	**270.1**	**262.6**	**261.5**	**259.5**	**289.5**			**289.5**	**320.0**
STAPLE+TOW+FIBERFILL											
RAYON	**29.6**	**31.2**	**31.5**	**32.1**	**34.3**	**28.9**	**27.3**			**27.3**	**37.8**
NYLON[e]	52.0	54.9	57.0	54.1	53.3	44.7	54.1			54.1	64.1
ACRYLIC+MODACRYLIC	60.2	61.4	56.0	55.0	59.5	60.2	67.9			67.9	66.0
POLYESTER	178.4	174.2	162.1	161.1	154.1	158.6	185.1			185.1	181.7
OLEFIN+VINYON	19.2	17.8	17.6	16.2	15.3	14.5	14.2			14.2	21.6
TOTAL NONCELLULOSIC ABOVE	**309.8**	**308.3**	**292.7**	**286.4**	**282.2**	**278.0**	**321.3**			**321.3**	**333.4**
WOOL & COTTON CONSUMPTION											
APPAREL CLASS WOOL	10.8	11.5	13.6	11.5	12.5	15.2				75.1	66.6
CARPET CLASS WOOL	0.9	0.6	1.1	0.6	1.1	1.2				5.5	5.0
TOTAL RAW WOOL	11.7	12.1	14.7	12.1	13.6	16.4				80.6	71.6
RAW COTTON	213.2	228.1	255.6	227.0	244.1	241.6	185.3			1594.9	1453.9

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a. Year-to-date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 37 of the March issue.

e. Data for nylon exclude aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 37 of the March issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 37 of the March issue.